Ring Ever Invented as on the Outside the Nose.

Elliptical Ring Hog & Pig Ringer, CATUR, ILLINOIS. a first-class Farm illev at \$3.00 per

y for a profitable never allows to. pass; and during the past year tlers availed themby the ST. PAUL, BA RAILWAY Co., tracts, and comd improvements. Company has also of choice lands, Live Stock and ses, from which selected that canexcelled in anw in the Union. ETC. WRITE TO

lanitoba R'y Co. - MINN. ILLARD AGON. THE STATE OF THE S

and Com.

of the best Wood and together by the most yone warranted to regard to quality of They are noted for frunning. Also Carofs superior workman-our Agricultural Imist. South Bend, Ind. nd Acres

ng Land Mich. Clay loam f grain or grass. purchasers. Call TUBBARD, n City, Mich. g Lands

Bargains. Terms o ten years time ve us a description i select from our on, and send you ITH & CO.,
Saginaw, Mich 'SE WANTED for Years of Congress, 1861—1881, times G. Blaine.

S. Wise of Va. myst rakes it yo, no matter to the H. Blaine's friend, yull seer paul it doesn'e has read the whole."

make from 2200 to per month. Address,
Lewis & Bartlett,
Detroit, Mich.

nsiness man, 30 or Animai Kingdom odrich (Peter Par-inchell, L. L. D. ce fully. an Arbor, Mich.

bination Sale of Standard and ing Stock—Horse Gossip....

it y Frrd

rel.—Oh, Mr. Purdy!!—To Make
e Emulsion—To Keep Flowers Freshles in Greenland-The Weslihy AppleManagement of Orchards—Receivedlargs Notes.

y.-Michigan-General

So Lon: - A Woman's Reason .....

ne-a e Song of the Gossip—Putting on a Bonnet-e Song of the Army—Elkins and the mer—The Green Mountain Bays—Dead in Claim—A Cunning Dog—A Clever Con-ence Coup e—The Heavy Weights—Rie-nata Ru d by Fear—Modern Miracles— ricties—Chaff.

perinary.—Difficult Parturition in a Sow— joitre in Calves—Œdema for Dropsy—Bursal

Agricultural.

HALL THE MERINO BE CHANGED

number of writers are at present ad-

ating the breeding of Merinos to the

orm of the Southdown, so as to make

ot have the round form of the Down;

his ribs are flatter, the chest narrower but

deeper, and the whole form partakes of the same characteristics. He has the deep

arrow chest of the race-horse or the

he greyhound, not the round prominent

the of the mutton sheep or the beef breeds

cattle. His form cannot be changed

without changing his characteristics. If

fou like a mutton sheep, take some of the

Down breeds,—the Shropshire will

probably suit our system of farm

ing the best—and spare yourself

he trouble of spoiling a good Me

ino to make a poor Southdown.

You will save some years of time, and be

better satisfied in the end. If your sur-

oundings are such that you would prefer

Down sheep, and have a flock of Merino

ewe, grade them up with pure Shropshire lams until they have four or five straight

tosses, never using a grade. You will then have a Shropshire flock in all their

daracteristics, but they will not be Me-

time and Shropshires too. You will have

PROF. SAMUEL JOHNSON, of the Agricul

aral College, sends us a copy of a small

amphlet he has had published for the the of students at the Agricultural College,

accept either one or the other.

TO A MUTTON SHEEP.

-Bees in Spring

DETROIT, TUESDAY, APRIL 28, 1885-WITH HOUSEHOLD.

PRICE \$1 50 PER YEAR

NUMBER 17

VOLUME XVI.

CONTENTS.

"PRACTICE WITH THEORY AND SCIENCE."

SHEEP SHEARINGS.

At Oceola, Livingston County.

The first public shearing under the auspices of the Oceola Breeders' Association was held on the 15th and 16th inst. Despite the dreary outlook on the days of the shearing Oceola did herself credit in bringing before the public the finest display of Merino sheep that was ever made in Livingston County. Fifty-seven representatives of this noble breed of sheep were present for shearing, but owing to lack of time only 35 were shorn, the record of which we give below.

R. C. Reed, Sec'y.

E. J. Hardy, Pres't.

| NAME OF OWNER.   | NAME OR LABEL.   | SIRE.   | Age, y'rs.         | Days' Growth.  | Length<br>of<br>Staple.  | Weight of Carcase.   | Weight of Fleece, lbs. ozs.   |
|--|--|---|--------------------|--|--|--|---|
| D Terheune D C Richards. A Stowe. E & C E Kellogg W G Smith D C Richards. E & C E Kellogg E J & E W Hardy. A Stowe. E J & E W Hardy. B J & E W Hardy. B C Reed. E J & E W Hardy. | E Kellogg 149.  D C R 2.  A Spiwe 51.  E & C E Kellogg S1.  W G Smith 130.  D C R 1.  E & C E Kellogg S0.  E J & E W Bardy 1.  A Stowe 4.  Wm Ball 257.  E J & E W Hardy 25.  E J & E W Hardy 126.  E J & E W Hardy 126.  E J & E W Hardy 126.  E J & E W Hardy 126. | E Kellogg 57.  do Blamark 610.  E Kellogg 80. Sheldon 48. Diamond Blemark 610. Gen Dix. Max 285. E J & E W Hardy 184. Blemark 610.  Max 285. do F & L E Moore 301. do   | 21136325283        | 858<br>851<br>883<br>365<br>885<br>768<br>865<br>856<br>856<br>844<br>856<br>855<br>845                                    | 2 1-16<br>2 7-16<br>2 %<br>1 %<br>2 5-16<br>2 1-16<br>2 6-16<br>2 1-18   | 149<br>112<br>83<br>15114<br>115<br>8514<br>16134<br>127<br>115<br>12814<br>18814<br>14914 | 15 04<br>10 10<br>30 08<br>22 12<br>25 02<br>26 12<br>24 10                           |
| W G Smith. B F Bacheler. E & C E Kellogg. E J & E W Hardy. do do do do George Wright. W G Smith. B F Bacheler. D C Richards. do E & C E Kellogg. E Hubbell. do E J & E W Harey.  | W G Smith 48.  B F Batcheler 2.  E & C E Kellogg 209.  E J & E W Hardy 410.  do 420. do 397. do 413. do 414.  G Wright 20.  W G Smith 20.  B F Bacheler 1.  D C R 52.  D C R 52.  E & C E Kellogg 283.  E Hobell 6.  E J & E W Hardy 394.                            | W G Smith 110.  E Kellogg 57.  E & C E Kellogg 80.  E J & E W Hardy 1.  do 25. do 1. do 1. do 1. do 1. do 184  Don Pedro.  E Kellogg 57  J T & V Rich 478.  Bismark 610.  E & C E Kellogg 80.  Commodore 1. do E J & E W Hardy 1. | 221111211182111222 | 343<br>865<br>400<br>370<br>868<br>852<br>852<br>351<br>850<br>378<br>343<br>865<br>881<br>876<br>895<br>851<br>849<br>858 | 2½<br>2 5-16<br>2 9-16<br>2 5-16<br>1 15-16<br>2 9-16<br>1 10-16<br>2 5-16<br>2 5-16<br>2 5-16<br>2 5-16<br>2 1-16 | 79<br>81<br>70<br>72<br>7634<br>9034<br>52<br>112<br>82<br>7234<br>71<br>813<br>853<br>67  | 14 10<br>10 14<br>9 11<br>16 01<br>18 01<br>16 12<br>10 01<br>11 09<br>11 11<br>18 14 |
| R C Reed   | Unregistered. R C Reed 45  | R C Reed 1  | 2                  | 345  | 2 3-16   | 8g<br>94   | 16 11<br>15 01  |

The Eastern Michigan Association.

The annual shearing of this society was held in the village of Northville on Sat-urday, April 18th. The attendance both of breeders and visitors was good, and the record made by those who had sheep shorn a good one, as will be seen by the follow-

| hem more of a mutton sheep. In a re-<br>ent issue of the Live Stock Journal Mr.  |  |  |                |  |                           |  |  |  |  |
|--|--|--|----------------|--|---------------------------|--|--|--|--|
| B. Allen says on this subject:  Now, one word as to improving the uality of Merino mutton. I have ever see doubtful that this would be done so   | NAME OF OWNER  | BREEDER.   | NAME OF SHEEP. | NAME OF SIRE.  | Label No.                 | Weight of  | Carcaese.<br>Days'   | Length of Staple.                            | Weight<br>of<br>Fleece.  |
| on author that this would be tone so one as those immense folds or wrinkles fite skin are retained on them. The om of the Southdown must not only be dopted, but the smoothness of the skin. could give several as I think, very good asons for entertaining this belief, though forbear at present, as they would make is note too long. I am of opinion that time the good sense of all Merino reeders will adopt what the few have alady decided on in regard to this matter, | C Sessions C M Thornton C Sessions L Sprague E Whipple W J Gage H Brooks, C Sessions | G Bradley C Sessions C Thornton R Brown L Sprague R Brown H R Dewey F & L E Moore C Sessions | Bradley        | W McAuley's 93.  Brown's Ram M Sheldon 48. J V P Rich 396. Sheldon 48 J V P Rich 396. J L Hayes Rich's Banker J V P Rich 396. Crane's 33. Genf Grant 31. | 90<br>78<br>184<br>236    | 1 114<br>1 101<br>2 144<br>4 124<br>1 86<br>4 151<br>2 108<br>6 181<br>1 104 | 14 396<br>14 366<br>14 366<br>14 366<br>14 366<br>14 356<br>14 356<br>14 356<br>14 356 | 2%<br>2%<br>1%<br>1%<br>1%<br>1%<br>1%<br>2% | 14 04<br>20 68<br>15 13<br>32 00<br>22 02<br>18 00<br>22 00<br>22 00<br>25 08<br>15 15 |
| ncomfortable, ugly wrinkles of their<br>heep, if not in doing away with them<br>ntirely, as fast as possible hereafter."<br>The point to be considered is, would a<br>erino with the characteristics of a<br>outhdown be desirable? Or would a   | O Sloan.<br>O Barnhardt.   | O Barnhardt O Barnhardt O Bloan O Barnhardt Wolcott O Barnhardt                              |                | Centennial 311<br>Rich Ram<br>Centennial 311<br>Crane Ram 32   | 38<br>6<br>84<br>71<br>24 | 1 74<br>1 66<br>3 116<br>1 89<br>3 74  | 4 898<br>4 356<br>4 856<br>4 858<br>4 858  | 21/4<br>21/4<br>21/4<br>21/4<br>21/4         | 18 14<br>12 06<br>18 08<br>19 13 14<br>11 11<br>14 07<br>12 11 14<br>13 69             |

Annual Shearing at Grand Blanc.

The annual public shearing at Grand Blanc was held on the premises of Mr. J. H. Thompson near that village on Wednesday last. The weather was fine, and the show of sheep excellent. Quite a number of farmers and sheep-breeders from the neighborhood were present. Secretary Voorheis of the Oakland County Sheep-Breeders' Association was in attendance, and Mr. Brewer and son of Saginaw. The record was as follows:

| OWNER.                | BREEDER.   | SIRE              | NAME OR NUMBER. | Age, y   | Weight | Fleece   |
|-----------------------|--|-------------------|-----------------|----------|--------|----------|
| The later of to mine  | e l'Indicate de la | NA BERMAN         | Rams.           |          | 1      |          |
| J H Thompson          | L P Clark  | General 210       | LPC 114         | 9        | 24 0   | 04       |
| DP Dewey              | E Townsend   | L P C 207         | J L Hayes       |          |        | 02       |
| J H Chompson          | J H Thompson   | Compact Jr        | J H T 104       | 5        |        | 08       |
| R D Stephens          | D P Dewey  | Moses             | Little Wonder   | 4        |        | 06       |
| B H Stone             | E H Stor e   | J J Crane's Aaron | 158             | 8        |        | 02       |
| G W Stuart            | Geo W Stuart   | Moses             | Queen Ram       | 8        | 30 0   | 07       |
| G W Stuart            | Geo W Stuart   | L P C 119         | 1234            | 2        | 25 1   | 12<br>04 |
| D H Stone             | D H Stone  | L P C 207         | D H S.1         | 2        |        |          |
| Dewey Brot & Thom'son | G W Stuart   | E P C 207         | Emperor         | 18       |        | 05       |
| E H Stone             | E H Stone  | D H Stone 1       | 4               | 1        |        | 05       |
| E H Stone             | E H stone  | DHSL              | 10              | 1        | 110    | 08       |
| H R Dewey             | H R Dewey  | TT U              | D D D OTO       | Section. | 17     | 04       |
| D P Dewey             | D P Dewey  | TTH               | D P D are       | 1        | 10     | N.       |
| DP Dewey              | D P Dewey  | T D C 907         | D P D 010       | 22.00    | 12 6   | 'n       |
| H R Dewey             | H P Dowey  | I I Havee         | T D D 18K       | 140      | 18 (   | 20       |
| H R Dewey             | G W stuart   | T. P.C. 119       | G W 8 269       | 1        | 18     | 192      |
| A M Drawie            | d at Bentham.  | 2414 20 114 1147  | Ewes.           | 1        | 1000   | -        |
| D H Stone             | Geo Martin   | Roderick Dhu      | DHASI           | 7        | 15 6   | 00       |
| D P Dewey             | Peter Martin   | Compact 121       | P M 184         | 1 6      | 19     | 11       |
| C W Street            | G W Stuart   | Moses             | G W 8 908       | 1 2      |        | 08       |
| D D Done              | D P Dewey  | J L Hames         | D P D 818       | 1 9      | 18 6   | 03       |
| D. D. D. W. W.        | IN D Dawoy   | I.I. Hange        | ID P 1) 221     | 1 0      | 117 1  | 12       |
| D P Dewey.            | D P Dewer  | J.L. Haves        | D P D 182       | 1 2      | 17 6   | 04       |
| D H Store             | D H Stone  | L P Clark 207     | DH87            | 1        | 111 (  | 00       |
| of D Downer           | HR Dawev   | I C Haven         | HRD 158         | 1.1      | 12     | 12       |

giving the scales of points of the cows and bulls of the various breeds of improved cattle common to Michigan. The list includes Shorthorns, Herefords, Ayr shires, Dutch-Friesian or Holsteins, and Jeneys. It is a work that cattle breeders could afford to give some time to study, and would be very useful to those who are called upon to make awards at fairs or chibitions.

While the shearing was in progress the visitors had an opportunity to look over the fine breeding flock of Mr. J. H. Thompson, all of Atwood blood, the large, blocky ewes, with their fine fleeces and well covered bodies, and the nice party of yearlings, calling for general commendation from all.

Mr. Geo. W. Stuart had a number of sheep on exhibition, among others the three fat wethers held over when he sold the balance of them, which were a standing argument for the Merino as a producer of mutton. They would shear from 18 to 20 lbs. of wool with a four inch staple, and of beautiful style and fine quality. His Queen ram astonished him with a fleece of over 30 lbs.

Mr. H. R. Dewey had a fine representation from his Atwood flock, but could only get three of them sheared, shearers being scarce. His yearling ram, O. R., gave a



George Milo 1313, Bred and Owned by Dewey & Stewart, Owosso, Mich.

probably be used as a stock ram in this | Their record is as follows: probably be used as a stock ram in this flock, we give his breeding: Sire, John L. Hayes 439 by L. P. Clark 207, dam E. Townsend [264], by Revenue 314, by General 204 by Patrick Henry 178, by Kilpatrick 64, by Comet 20, by California 19, by Leng Wool 7, by Old Greasy 5, by Old Black 1. The dam of [264] was No. 27, by Addison 100, by Eureka (58), by Comet (57), by California 19, thence runing as in [264]. The grand dam of [264] was ewe No. 18 O. & W. O. Bascom.

The record is as follows:

T. S. & Sons 418; four years old; weight before shearing, 91 lbs.; length of staple, 2½ inches; weight of fleece, 16 lbs. 9½ ozs.

R. H. Prebles 5; two years old; weight before shearing, 81 lbs.; length of staple, 2½ inches; weight of fleece, 15 lbs. 7 ozs. This ewe was sired by W. E. Boyden's stock ram Q. C. Rich 131, he by Banker 408.

R. H. Prebles 7; two years old; weight before shearing, 73½ ibs.; weight of fleece, 15 lbs. 7 ozs. This ewe was sired by W. E. Boyden's stock ram in this flock, weight before shearing, 81 lbs.; length of staple, 2½ inches; weight of fleece, 15 lbs. 7 ozs. This ewe was sired by W. E. Boyden's stock ram in the flock of the control of the contr ing as in [264]. The grand dam of [264] was ewe No. 18 O. & W. O. Bascom. We give the above as a specimen of an Atwood pedigree, and to show how close ly assimilated in blood they are.

D. P. Dewey had his stock ram John L. Hayes 439, now seven years old, who cut a fleece of 30 lbs. 2 oz., nearly as much as he did last year. One of the ewes of this flock sheared 19 lbs. 11 ozs., and three others 18 lbs. 2 ozs., 17 lbs. 12 oz., and 17 lbs. 2 ozs. respectively, the last three all by Hayes.

J. H. Thompson had his stock ram L. P. Clark 207 shown. He is now nine years old, but seems to be in his prime as a stock ram. His stock, as seen in Mr. Thompson's flock, is his best recommend-

on the farm of Mr. Ball, on Friday. The day opened cloudy with a drizzling rain, which prevented many who were expected from being present. Business opened with four shearers at work, Mr. Irwin Ball doing up the fleeces, and the editor acting as weighmaster. The sheep shorn were in good condition, and a very even lot. They were all weighed before being shorn, and the weights below include both carcass and fleece. The rams sheared were as follows:

H. W. Jones 253, sired by Farnham's Banker 410; two years old; weight of carcass, 402 lbs.; length of staple, 2½ inches; weight of fleece, 21 lbs. 9 ozs.

J. M. Moore 48, sired by Stickney ram;

J. M. Moore 43, sired by Stickney ram; two years old; weight of carcass before shearing, 132½ lbs.; length of staple, 2½ inches; weight of fleece, 23 lbs. 7½ ozs.

Wm. Ball 262, sired by Star Bismark 504; two years old; weight before shearing, 102½ lbs.; length of staple, 2½ inches; weight of fleece. 20 lbs. 4 ozs.

Wm. Ball 255, by Star Bismark 504; two years old; weight of fleece, 19 lbs. 11 ozs.

Star Bismark 504, by Bismark 307, dam Star Bismark 504, by Bismark 307, dam sired by one of F. D. Barton's stock rams; seven years old; weight before shearing, 122 lbs.; weight of fleece, 22 lbs. 6 ozs.

F. & L. E. Moore 512; two years old; weight before shearing, 109 lbs., length of staple, 2 inches; weight of fleece, 22 lbs.

9 ozs.
R. J. Jones 623, by Standard; two years old; weight before shearing, 99‡ lbs.; length of staple, 1‡ inches; weight of fleece, 18 lbs. 14 ozs. A number of ewes were selected to be

fine fleece of 17 lbs. 4 oz. As he will off another with the skill of a veteran. stock ram Noonday was looking fine. A

Star Bismark is now seven years old,

and has a finer lot of lambs this season

than ever before. A number of the year ling rams and ewes from him are as even in form and fleece as any we have seen. One of his sons, Prince Bismark 763, now owned by H. L. Doane, gave a fleece of 28 lbs. 8 ozs., at State shearing in 1884. and this year at Jackson gave 28 lbs. 121 ozs. At the Clinton County shearing last lbs. 8 ozs.; and at the Oceola shearing Geo. Wright, of Iosco, sheared a two years old ram by Star Bismark that gave a fleece of 26 lbs. 12 ozs., with a staple 21

The weather was fine and many farmers and others were in attendance. Among the exhibits we may mention

that of the president, R. B. Caruss, who showed 3 rams and 3 ewes. Hisram "Star Bismark, Jr.," made an improvement on his already fine record of 1884, his fleece this year weighing 311 lbs, and this without extra caré.

J. W. Besley, of Maple Shade Farm made a fine showing of 14 sheep, 5 rams and 9 ewes. His ram Little Phil, sired by Wm. Ball's No. 70, with a carcass of 72 lbs., gave a fleece of 20 lbs. 91 ozs. Mr. Besley breeds with a view to plainness of form and freedom from excess of oil.

Chas. Walters showed a ram and a ewe of his own breeding, the former showing exceptionally fine points.

Delos Caruss showed a fine party of 5 rams and 8 ewes. Their compact forms and evenness of staple showed that he places a high estimate on those points. A. De Camp showed his two fine rams, Jumbo and Garfield, and a pen of four very fine ewes.

Wm. Byrnes's ram Greeley, bred by S. B. Lusk and sired by Empire, came well to the front with a fleece weighing 34 lbs.

C. F. Gillman, of Pewamo, made a fine showing with 3 rams and 6 ewes, a portion of them being the get of F. M. Dear's Noonday.

F. M. Dean, also of Pewamo, exhibited shorn, but the shearers could not get 3 rams, 2 ram lambs, and a party of 5 round to them. Finally Will Boyden yearling ewes of Noonday's get. One ewe donned a pair of low-necked overalls, and | bred by H. E. Sanford and sired by Magtook the fleece off two in good shape, net, one bred by Palmer & Rhead, and while Mr. Ball himself took the covering one bred by S. S. Brewster. Mr. D.'s

yearling ram, sired by Noonday, weighed

170 lbs. Mr. D.'s Jumbo, a three year old

ram, attracted much attention. Taken as a whole, the shearing was very satisfactory and shows that much interest is taken in the breeding of fine sheep by the farmers of Clinton Co. It was to be regretted that there was not a larger showing of grade sheep when we realize that it is to this class that the great bulk of our sheep belong. The premiums on shearing were awarded as follows: Harlow Sage, 1st; Cornelius Wethersee, 2d; B. Millard, 3d. T.

SHEEP SHEARINGS TO COME.

At Union City, Branch Co.

The sheep breeders' and wool-growers' of Union Township and vicinity, Branch Co., met at Union City April 11th and ozs. At the Clinton County shearing last week, Blamark Jr., owned by R. B. Caruss, and by Star Blamark, sheared 31 Growers' Association. A constitution was adopted, and the following officers chosen:

President, O. Cline of Sherwood; Vice President, J. L. Kilbourn, Union: Secre tary, J. D. Studley, Union; Treasurer, Eugene Lee; Executive Committee, John was decided to hold a public shearing at the barn of Chas. Lee, three miles south west of Union City, on Tuesday, May 5th. All interested are invited. JAS. D. STUDLEY, Secretary.

GEORGE MILO 1313.

We give on this page a truthful representation of George Milo, bred by Dewey & Stewart of Owosso and a full brother to the great Jerome Eddy 2:164.. He was foaled in May, 1880, stands 15.21 hands high, and is bay in color. In style he is said to surpass Jerome Eddy, and his owners consider him of greater promise than the former was at his age. His sire is Louis Napoleon 207, by Volunteer 55, the best son of Rysdyk's Hambletonian 10; dam Fanny Mapes, by Alexander's Abdallah 15, sire of Goldsmith Maid 2:14.

The Late Alexander Wattles.

Mr. Alexander Wattles, of Battle Creek noted sheep-breeder and farmer, was instantly killed while crossing the railroad track between that place and his farm, on Saturday, April 18. He was a man of integrity, a successful farmer, and noted as one of the most intelligent sheep-breeders in that vicinity. A year ago we had the opportunity of paying him a visit, and the condition of his flock, his judicious remarks upon their breeding and care, impressed us as those of a thoughtful man and a close observer, as well as an enthusiastic admirer of the Merino sheep. His death is not only a severe affliction to his family, but a loss to the sheep interests of the State. The following preamble and resolutions, adopted by the sheep-breeders of the Calhoun County Association, will serve to show the esteem in which he was held by his friends and associates:

associates:

Whereas, Under divine Providence the death of Alexander Wattles has been permitted; and, whereas, the deceased in the past has so earnestly and faithfully labored for the organization and success of the Calhoun County Sheep Shearers' Association, the members of this Association would take this public manner to express to his family and the public their appreciation of his services, in the following resolutions:

\*Resolved\*, That in the death of Alexander Wattles this Society, and those interested in the advancement of sheep husbandry, have lost one of their most earnest workers and successful breeders.

\*Resolved\*, That as an Association we tender to the stricken family, in this their hour of bereavement, our heartfelt sympathy.

\*Resolved\*, That the Secretary furnish a copy of these resolutions to the Michigan Farment for publication.

\*WM RAPFORD President\*

or publication.

WM. RADFORD, President.

W. J. LAWRENCE, Secretary.

Monroe business men propose to raise \$5,000, buy the grounds of the county agricultural society, and hold fairs independent of the county.

FALLACIES OF THE WEST MICH-IGAN FARMERS' CLUB.

A Farmers' Club that has given to farmers a resume of the law pertaining to their. business as able as that of Judge Parrish and whose discussions in the main are extremely good farm doctrine, has yet given expression to several fallacies that should have been more strongly combatted by its members at the time. A published report of the discussions of a club so widely known for its ability, is apt to pass for authority with those who take all their knowledge of farm lore at second hand. Many farmers make ill-considered statements on the mystery of plant growth, which is not surprising when we consider that the necessary knowledge relating to it, has been practically shut out from them. Ninety-nine in every hundred farmers of to-day, received their education in the common schools where they were taught literally nothing on the subject, and consequently they are to-day making assertions, and promulgating surmises, that, in the light of modern research, are egregious errors. Errors that are mere matters of opinion, that do not affect one's pocket whichever side is announced as true, may be left to the correcting influences of time and experience, but an error committed in the present, when the results will show for years to come, should be battled against before further headway is made. One member of the club held to the following opinion.

"My farm was deep sand—sand 40 feet deep. My predecessor said I would have to manure yearly for fear of leaching. After some experience I lost all fear of leaching downward, and concluded that sand soils lose their manures by evapdration into the air. Eighteen inches down a sand soil will show no trace of manure which has been plowed in."

The air of this morning holds no trace of the rain that fell through it last night, for the reason that the air could not absorb it in that form. If the manure will leach through the first six inches of soil, the remaining twelve of the eighteen nost assuredly cannot hold it, having less regetable matter or clay in its composi. tion. The soil of a barnyard is rich only as far as the vegetable matter of the sur. face extends, below that it is sterile, although tons of fertility in solution have assed through it to the water level below. "Does not a tile drain always discharge

ure water." This query, coming from the same source as the above quotation, remained nnanswered and in the absence of an immediate negative, stands as authority for McCausey, Morey Nichols, Millard the implied fact that it does thus discharge Brown, Julius Peck, A. Armstrong. It retained in the soil, and furnishes conclusive evidence that soils do not "leach

downward" but "evaporate into the air.

The experiment of Dr. Lawes of Rothamstead, England, proves conclusively, by repeated analyses, that the drains on his land do discharge the fertility, in proportion to the amount so applied, in kind as well as quantity. Repeated analyses of the water from wells and springs, in proximity to cess pools and foul surface water, proves the fact that much matter in solution, which is injurious to health, is carried with the excess from heavy rains and melting snows to contaminate the veins of living water at different depths in the earth. These analyses further show that this unhealthful matter s fertility itself, when held by the soil in proximity to the roots of growing plants. It is just such material as plants delight to feed upon, and by which they flourish. "In top dressing we lose a good deal of ammonia by evaporation."

The active principle of barnyard manure is nitrogen and saline substances, and these come largely from the urea of farm animals. Nitrogen is changed to volatile ammonia by fermentation and chemical combinations. Fermentation is engendered and hastened by the manure lying in heaps, and becoming burned or fire fanged," as it is sometimes called. This fermentation is checked by spreading in the field, where it remains cool. Ammonia is set free by the application of ashes or slacked lime. Those farmers who have mixed ashes with hen manure, can testify to the escape of ammonia while stirring up the mixture. The nitrogen in manure is easily washed out by rains, and when this washing occurs in the barnyard, much of the fertility is lost from that cause, when if spread on the field the soluble fertility would be held by the humus, for the benefit of the future crop. The danger of waste of ammonia by fermentation, after being spread, must be very slight, much less than the waste of nitrogen by washing in the yard. Nothing really "evaporates after manure is spread, except the water. and that we can very well spare in order to save the more valuable substances.

"When we manure we must put our nanure where it will do the most good, which is under the surface, where its virtues will rise by evaporation for the use of the plant. It will not leach away downward."

Here we have a new revelation in the italicalized words—the italics are mine. The roots then have no office in the up-(Continued on eighth page.)

Che Forse. Combination Sale of Standard and

High Bred Trotting Stock.

Those interested in trotting and road ster stock should not forget the great combination sale to be held at Kalamazoo on Wednesday, May 13, beginning at ten o'clock. There will be 70 head offered, comprising stallions, stallion colts, brood mares in foal, fillies, driving, carriage and saddle horses, and trotters with and without public records. Of these S. A. Browne & Co., of Kalamazoo, contribute 30 head by such sires as Grand Sentinel, Indicator, Empire, Young Wilkes, Black Cloud, Mambrino Gift, Jerome Eddy, Star Hambletonian, Grey Fearmaught, Ranger, Mambrino Chief, and others. Mr. Walter Clark, of Battle Creek, will have 20 head, representing such sires as Sut Lovingood 2:33, by Shelly Chief, sire of Cascarilla 2:251, Grand Duke 2:291, and Rolla 2;27]. His dam was by Comet Morgan, second dam by Tom Hall, pacer, and third dam by Old Buzzard, a thoroughbred. One by McFarren, a son of Cuyler, and a few by Bay Middleton, the sire of Mollie Middleton 2:251, Prince Middleton 2:251, and H. M. Strong 2:251. Mr. A. H. Willard's lots will comprise 22 head. Among the sires represented are Mapleton, by New York., Geo. H. Lowe, a son of Florida, Gould's Clay, Hambletonian Star, Magna Charta, Stader's Clay, Clay Abdallah, Louis Napoleon, Abdallah Clay, Jo Gavin; Ryerley's Abdallah, and Franklin. Nearly all the fashionable strains of trotting blood are represented, and the sale will te an event in the history of breeding trotters in Michigan. Catalogues can be had of either of the owners upon application.

#### Horse Gossip.

OLD Harry Clay is still hale and vigorous at 32 years of age. He is owned by J. E. Willis, of New Jersey, and has had a filly foal dropped to him recently.

MR. LEW CLARK, proprietor of the Kirkwood House, this city, has purchased from Dr. D. G. Sutherland, of East Saginaw, a brown pacer by Getaway.

dam Owosso Belle by Louis Napoléon. He stands 15% hands, and weighs 1,060 lbs.

CHESTER Driving Park, Cincinnati, joins the Indiana and Michigan Circuit, taking the dates following Detroit, July 7 to 10, placing them a week ahead of Pittsourg. This completes the circuit.

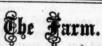
DR. SUTHERLAND, of East Saginaw, has purchased three full brothers to Buttersco record 2:241/4, by Panic. They comprise a black gelding 151/2 hands, seven years old; a bay gelding 151/6 hands, six years old; and a black gelding four years old. Panic is by Ethan Allen, dam Maid of the Mist.

MR. C. M. FELLOWS, of Manchester, Washtenaw County, has purchased from Messra. Reid & Braidwood, of Almont, the Percheron stallion 2d Duke of Normandy. The Duke is a large, handsome horse, and has made a fine record for himself in Macomb and Lapeer Counties, where his stock has given much satisfaction. At the last State Fair the Duke was first in his class and was much admired. Mr. Fellows has done a fine thing for his section by bringing in such a horse, and we believe his enterprise will be rewarded when the merits of the Duke become known.

2,000 horses annually, mostly heavy draft.
They say of the grade Percherons: "We handle more of the Percherons than any other hered. There is no property of the difficulty. After long experience, we find the best way to use petroleum is to A. M. STEIN & Co., Brooklyn, N. Y., handle give the best satisfaction, no matter how little penetrate the pores freely; and then after of the blood there is in them. Generally they have good feet, and last better on our a coat or two of paint. The oil inside pavements than the Clydesdale or other breeds. and the paint outside, make a very Tell the farmers of the West to keep their thorough protection. But the petroleum Percheron mares and breed them. Would advise breeding to Percheron horses in preference to any other breed."

THROUGH the efforts of Mr. Henry C. Jewett and J. H. Wallace, says Wallace's Monthly, the pedigree of Fanny Mapes, the great brood mare owned by Dewey & Stewart, of Owosso has been brought to light. It is as follows: Sired by Alexander Abdallah; first dam by Louis Napoleon, son of young Mambrino, son Mambrino, son of imp. Messenger; 2d dam by L. I. Black Hawk, son of Andrew Jackson 3d dam by imp. Trustee. In referring to he breeding, Mr. Wallace says:

to Jerome Eddy through the dam of his sire With the addition of these two strong trotting crosses, the owners of Jerome Eddy's stock may as well begin to put up their prices."



## SPOILING A GOOD TEXT.

VERGENNES, Kent County. April 11th, 1885. To the Editor of the Michigan Farmer.

J. E. Day, like many other preachers has spoiled a very good text. That our grandmothers were excellent dairymaids is a mattery of history. That their daughters have made gilt-edged (dollar) butter for the elite of our great metropolis is also a fact noted in the annals of agriculture; that their daughters and granddaughters are equal to the task of making good butter under favorable circumstances can be proved by every pedler and tramp that treads the roads of Michigan. Why, then, is so much inferior butter forwarded to our cities? Michigan is proverbially a State of small farms, with comparatively few cows. Hence the in small parcels. These small packages are stored in the groceries until enough has been purchased to make it an object to the butter has absorbed all the odors of a dirty village grocery. Thus the butter is spoiled, and Messrs. Adam & Co. are incompetence in the dairy. Any person

and dine with J. L. B. KERR. [Our correspondent's ideas are not far from those of Mr. Day. Each recognizes the fact that the keeping of more cows would increase the interest and lead to ed methods of marketing as well as making. But there is a revolution in

progress in this State at present, and when the next centennial comes around Michigan butter may occupy first place,although but few of us may be there to share in the glory.]

#### A Step in the Right Direction.

WEBSTER, Apr. 18, 1885. To the Editor of the Michigan Farmer.

The Farmers' Club of Webster, Washte naw Co., took a step in the right direction at their April meeting which I should like to see generally adopted by kindred organizations throughout the State. A plan which if pursued with a measurable amount of persistence and intelligence must in a measure determine a great many nooted questions in agriculture in our latitude. It was decided by a unanimous vote of the club to resolve itself into experimentors and the farms into stations the coming season for agricultural tests; each member selecting the field of his opera. tions, and the results to be reported at the operations vary from carp culture to the water on cabbages to salt on wheat. Flat or hill culture for corn and potatoes, sorghum, celery, strawberry, orchard grass, wheat, oats and their fertilizers all to receive attention. The little pig and the biddies not to be forgotten. The ladies not to be outdone, are also maturing a plan of speculative investigation all along the line of their work. Now if our breth me they could furnish some very instructoes. tive reading to the farmers of Michigan the coming winter. A CLUB MEMBER.

#### Hornless Dairy Cattle.

IONIA, April 16th, 1885. In reply to J. Q. Pierce of St. Johns, would say that I have, after ten years effort, succeeded in raising a small herd of M. E. Krekow, of East Saginaw, has a fine hornless cattle that I "conceit" are equal than five, six or seven inches you will not three year old dark brown stallion by Joe Gavin, in dairy and beef producing qualities to get a tuber. If you get a good tuber for many of the boasted and distinguished herds of the country. They are a cross of be surprised at the number of good pota-Polled-Norfolk (a distinct and distinguished family) and a high grade of Shorthorne, without horns, cows weighing from 1.300 to 1.800 lbs., bull (twin) two years past last July 1,800 lbs., and his calves have a high per cent polled when crossed with horned cattle. JERRY SPAULDING.

#### Petroleum Paint.

Farmers are often advised to make cheap paint by mixing various pigments with petroleum for paint for out-buildings. Concerning this cheap and much lauded paint the Country Gentleman says:

"In using petroleum the first thing to be distinctly understood is that it cannot be used as a component part of paint. Its value consists in penetrating the pores of the wood, and not remaining like paint on the outside. We could not, therefore, recommend the mixture of crude petrole as it would be months in drying, much of 224 pounds; when two months old 3041 um and Venetian red often recommended as it would be months in drying, much of the petroleum going into the wood and leaving the Venetian red on the surface If, however, a considerable portion of drying linesed oil is added, it will leasen the surface been added to the milk. It is as hand handle more of the Percherons than any other apply it heavily outside, so that it may breed. There is more demand for them. They apply it heavily outside, so that it may N. Y., July 4, 1884, a grade Shorthorn some weeks, if paint 13 wanted, to apply alone answers well."

## Churns and Churnings.

A few days since the writer was in great creamery, and in observing the different methods practiced, noticed that the cream was cooled down to 60 deg., and then put into the large churn, which report." would cool it at least 3 deg. more. "Oh, 50 deg. is warm enough in winter, with cream that has been ripened at about 70 that weighed when four weeks old, 200 deg.; I don't get white butter then," was the remark of the foreman; "You see that and when eleven weeks old 358 pounds. "This extension of the pedigree adds very greathy to the value of Jerome Eddy as a stock horse. Napoleon was not a standard horse, but he was strongly inbred to Messenger on both sides of the horse; he was a trotter himself, and was the progenitor of trotters. In the Li. I. Black Hawk mare the blood of the great Androw Jackson is again brought back and unsted with the strain from his loins that comes to Jerome Eddy through the dam of his street. Now this is 'hay butter,' but see that and when eleven weeks old 358 pounds. This shows a gain of over three and one-quarter pounds a day, Mr. Mann also sold the mother of the calf to Mr. Cole for \$80. She was from the well-known "Barber herd" of Avon and weighed 1,300 pounds. As a dealer in stock, Mr. Mann cannot the trough the dam of his store. Now this is 'hay butter,' but see ter. Now this is 'hay butter,' but see be beat. here; (and he opened a package) why should the farmer's butter be white and mealy, and this grained, and of almost June color?"

Of course we scratched our head and didn't know! But we did all the same, and will tell our readers. The cream in milk is a mass of globules of butter, but in both cream or the milk there is so much fluid in the form of caseine, that they cannot unite. Being in this fluid, each globule must have a film of caseine about it, and caseine is white, as everybody knows and that in addition to the grand sweepwho has seen a piece of cheese curd. Now the process of churning is to, in some unexplained manner, divest these globules of this coating of caseine, and give the

butter a chance to unite. If we employ too much heat we in the one sense cook the globules together, by conferred here were fairly won. The re causing the caseine to become attached sult shows to the world that Minnesota is rather than the globules; and as the yel- now in quality, as she soon will be in low of the butter is obscured by this en- quantity, the leading dairy State in the velope of caseine, the butter is white and nation. This is due to the following soft, because it is loaded with this foreign causes: A soil peculiarly adapted to the

-to good butter-substance. In ripened cream, i. c., cream that has and always pure and cool; a climate clear, by the employment of moderate heat been dry and bracing, free from fogs and sulsurplus butter is generally taken to market changed, but not soured, the lower tem- triness; and last, but not least, intelligent perature, 60 deg. and below, is the best stock and dairymen. The dairy industry emperature for this caseinous matter to is in its infancy in the State, the first be separated from the globule; and this is creamery established is not yet five years forward to an eastern market. Meanwhile the very point our creamery friend was old, yet the amount of creamery butter "sound" upon, with sour cream, i. s., made, from nothing in 1879, runs to 30,-cream that has stood so long that the 000,000 pounds in 1884. milk in it has become thickened. This ad. Minnesota has 350,000 cows and room accusing the Eves of the 19th century of hesive principle is only active by the em- for millions more. She has as a healthy

many makers . They churn it so warm come. (62 deg.) that only the larger globules come, and very white, poor butter results, because loaded with this unneeded case

Occasionally we see butter which at first has fair color made very white by old seeds with new names and new prices, working over. In attempting to get the and the fraud cannot easily be detected. buttermilk out, we break down the grain They may have traveled all over the conof the butter, just as we crush an egg, and the whiter interior of the globule is pay you to organize farmers' clubs, if for exposed with its whiter color. Viewed in no other purpose than to know where to this light, as much depends upon the purchase honest seeds. The tendency to churn, the worker and floats, paddles, etc. are not wanted; for the revolving churn, with its falling principle for the cream, is not likely to rupture the globules, but preserve them whole.-Pittsburg Stock-

#### Items About the Potato.

Major Emery, during a discussion of the New England farmers at Boston on the question of potato culture, reported in the Massachusetts Ploughman, said:

"In regard to scabby potatoes, I have no doubt it is a disease of the skin. There are two skins to the potato, and the juice comes down and creates a fungus growth, and as the potato grows this fun gus heals over and makes the rough place December meeting. The range of its on the skin. This is the cause of it. I think I have examined potatoes for three earing of the noble Shorthorn. Ice years to find an insect in the fungus, and never could find anything in the world.

"The potato is a potash plant. You get 175 pounds of potash from 100 bushels of potatoes. The potato is also very strong in phosphoric scid. You get 69 pound from 100 bushels. It is not a nitrogen or ammonia plant. There are about 50 pounds of ammonia to 100 bushels. I think the more nitrogen you put into these potatoes ren and sisters all over the State who the poorer they are. You increase the have organizations will join with us in tops to the detriment of the bottom. That this practical undertaking, it seems to has been my experience in raising pota-

> "Now potatoes depend entirely on the season. If you have a poor season you cannot get a good crop. There must be the proper amount of rain and the proper amount of sunshine. Unless you plant them in the right time your crop will be small. If you do plant them at the right time and have good weather you will have a good crop. If you plant them more toes you will get, and you can get a large amount of tubers with small potatoes. Any one can see that when there are large number of sprouts coming out of one end of the potato, that they will be too thick for the best result. If you take out some of them you will get more potatoes. I always plant one eye in a hill and always have good results."

#### Some Large Calves.

Recent issues of the Rochester Denocra and Chronicle contain the following items in regard to large calves:

"A. J. Risley, of Ontario, Wayne County, is believed to have the biggest and best calf ever raised in Western New York. It is a bull of the Holstein bree (only half-breed however,) and its weight is as follows: When two days old i weighed 140 pounds; when four weeks old

"S. F. Durfee, of Marion, N. Y., bought bull calf six weeks old, weighing 180 pounds. On the 11th day of January, 1885, he weighed 730 pounds; and on the 11th day of March, 1885, he weighed 820 pounds, a gain of two pounds and nine ounces per day from the time he received him until March 11, 1885. He was fed upon sour milk with little bran and had free access to sweet apples during the summer months. He was sired by a thoroughbred Durham and the dam was a grade with Ayrshire. If any one can beat this let him

Mr. W. F. Mann of Rush, N. Y., recently sold a calf that he bred, to a Mr. Cole, pounds; when six weeks old 243 pounds; quarter pounds a day, Mr. Mann also sold

### Minnesota at the World's Exposition

The dairy products of Minnesota, as reresented at the World's Exposition in New Orleans, bring forth the following testimony from the New Orleans Times Democrat:

Minnesota is ahead in the dairy divisions of the Exposition. It is cause for pardonable pride to Minnesotians that the highest honors in the awards on butter should belong to citizens of that State. stakes, twenty-one out of sixty-four of the class and pro-rata premiums on butter should be awarded to her dairymen. It is said by those who know, that this was one of the most closely tested awards ever made in this country, so that the honors

growth of dairy grasses; water abundant

ployment of extra heat (64 deg.) to cause climate for stock, as well as for people

is the rule, not the exception" with In perfectly sweet cream 52 deg. is the mium bread and butter for Christendom Michigan farmers, is invited to come point of best separation, and is the very and invites the attention of home seekers cause why sweet cream fails with so to her broad acres and her generous wel-

#### Seeds and Seedings.

There is no branch of farming in which deception is so easily practiced as in purchases and sales of seeds. They may be tinent before they reached you. It would change seeds is yearly becoming greater, and the swindling keeps pace with it. But the blame for alleged bad seeds should not always be laid to the charge of the seeds-

Let us examine what some farmers do. economy. No investment can be more ruinous; it is equivalent to a loss of half a crop at least. There would be more money in cultivating half the land by using good seeds, and the labor would be much less. Others buy good enough seeds, but plant too deep or too shallow, or use straw, which they call manure. Others plant at unseasonable times, or on worn out soils, expecting that expensive seeds will make amends for defective or improper cultivation, and exhaustive systems of rotation. By purchasing expensive seeds we do not mean the paying of fancy prices for boomed up varieties.

You cannot understand how to plant intelligently without first comprehending the principles of germination. A seed cannot sprout unless it has moisture, air, and warmth. The young shoot is nourished by the nutriment contained in the seed and when this is exhausted, no further growth can take place until the leaf comes to the light. If now the seed lies too near the surface, it will likely have deficient moisture, and if too deep, the air may be enough to the surface, especially if the surface soil is firm. As a rule, large seeds

should be planted deeper than small ones. A great deal of experimenting has been done as the Stations with regard to the germinating powers of the various grains and other seeds at different depths, and it has been ascertained that the largest percentage germinated when planted between depth giving better results than the latter. seed and follow these directions you will After one inch the percentage decreases been made on soils that were in good metoo rough, too firm, or too porous, those figures should not be regarded as very reliable. These conditions make a wider difference than the size of the seeds .-Farmers' Advocate.

#### Agricultural Items.

PROF. FAIRCHILD says that what we do not

know about the everyday facts of crop raising

THE Farmers' Home Journal states that 48 ears of Maury County, Tenn., corn shelled out 58 pounds of corn. The ears were specially

is more than what we do know; and every discussion between farmers reveals the absence of settled principles, while failures from pool judgment are numberless. THE New England Farmer says: "Most of our domestic animals are better surrounded by the conditions necessary to good health, than are many of their owners and owners' families,

ture death among animals than among civilized, for his sound judgment, thought it cheaper to many instances are known where it has been cover a barn with rough boards, without paint acquired by the persistent and judicious use ing, and to repeat the covering when time had caused decay, than to have the whole surface planed and painted; but cheapest of all is to soak the rough boards with crude

consequently there is less disease and prema-

petroleum. THE American Cultivator says: "In planting seed corn we have often found a difference of one or two days in the time for corn to come up in favor of that where the seed was pressed into the ground with the foot after being covered. In a very dry time some of the corr not stepped on never came up, and the difference of one or two days was where conditions were apparently favorable.

A POMPRET (Cenn.) farmer, whose cows are accustomed to run beside barbed wire fences wishing to open a part of the mowing to them for fall feed, drew two lines of old cord and other pieces of twine across the field, making them fast here and there to some bean poles. The whole thing was the work of only a few minutes, but not one of the eight cows ever crossed or molested that fence. They fed up to it, then turned aside. Such is the force of

T. B. TERRY says, in the Country Gentleman "The steady, moderate gate is the easiest on man and team and the wagon. Fast drivers are apt to take long rests, to stop to talk. Give the horses what they can do easily, and keep them steadily at it. There is no money made by overtaxing a horse's strength. Better go three times with a moderate load than twice and have the animals obliged to over-exert themselves. Better yet to put on three horses: and make the two trips."

THE Country Gentleman advises us that by keeping the wooden parts of all tools and ma chines well oiled with petroleum, and giving a bright polish to the metallic portions it will make them last longer and render them mor efficient. A spade, or hoe, or the mould board of a plow, when fresh from use, is easily cleaned from the soft, fresh soil; but in a few days, after the soil has hardened and the tool has become rusty, the cleaning is difficult, and the rough, rusty surface diminishes its value. The heapest way is to put tools up every night thoroughly cleaned.

COL. F. D. CURTIS says: "A cross of Jersey and Ayrshire blood will make excellent cows I have had a number, using a Jersey sire upor an Ayrshire cow. The offspring will give more milk than the average Jerrey, and it is of bet ter quality than the Ayrahire milk usually is.
If I were to breed a cow for the family, or to make a family breed, this would be the cross. A Jersey is exactly suited to the butter dairy, or to furnish the best of butter and cream fo the table; but for a kitchen or nursery cow the Jersey-Ayrshire will make just the one wanted. She is handsome and, withal hardy, compact and easy to keep, showing the Jersey who wishes to prove that "good butter the adhesive principle to become active. as any in the world, she can furnish pre-exhibited in the form."

# Che Poultry Pard.

THE Cayuga duck is supposed to have originated near Cayuga Lake, N. Y. The characteristic markings of the Cayugas are black color throughout. They are very hardy, large ducks, weighing 16 to 17 pounds to a pair. They are very quiet in their habits, and a fence a foot high will turn them. They commence laying by the first of April, and lay 50 to 90 eggs before desiring to sit.

ALWAYS add a sprinkling of salt to soft feed given to chicks, also a little cayenne pepper occasionally. In fact, season their food as you would for yourselves. Charcoal is a fine tonic, appetizer and cleanser of the blood, stomach and crop. Pulver. They buy cheap seeds on grounds of ize it and mix it with their soft feed, or break it up in small lumps and place it in a little box where they can always have access to it. 'Also furnish a liberal supply of bone meal and cracked oyster

DR. C. A. ROBINSON tells in the Indiana Farmer that, having a valuable Light Brahma cockerel addicted to feather eating, he was puzzled to know how to break him of the habit. A fancier friend finally gave him directions for making a "bridle which works admirably, he says: "Take a piece of leather an inch long, punch a hole in each end of it; now pass a small wire through one hole, then through his comb, and again through the other hole, allowing the leather to be in his mouth. guarantee he will not pluck his fellows

nedicated nest eggs:

deficient, and the leaf will not be near mix plaster of Paris and water together one half and one inch deep, the former They are sure death to lice and as the in proportion to the depth. Tests have of anti-vermin medicine. There is no chanical condition, so that if the soil is eaten up, if the fowls can get any gravel."

> "SHALL I set my hens on the ground or "SHALL I set my hens on the ground or up from it?" A correspondent writes that Monthly.

THE late George Geddes, who was remarkable Is not always innate or born with them, but

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THE Fanciers' Gazette tells how to make

"Cut a hole in one end of an egg as big as this capital O. In the other end put a pin hole. Now blow out the con tents and you have the empty shell. Next to the consistency of cream, adding a few drops of carbolic acid. Pour this in the shell till it is filled, and in 24 hours it will be dry and you will have a medicated nest egg. Five cents worth of plaster of Paris will make a dozen and that amount of carbolic acid is sufficient to scent a hundred. The time spent in making these medicated nest eggs is by no means lost. hens go on the nest and sit on them every day, they thus take an involuntary dose danger of these eggs being broken and

when he reflected on the instances given of hens hatching all the eggs in the hay mow, and only half of those under the bush, and vice versa, he was more perplexed than ever. Last season he decided to make a fair and full test of the matter. He set twenty hens at once on 260 eggs, ten hens in the basement of his barn on a damp ground, with just enough hay to keep the eggs together, and ten hens upstairs on a board floor, with simply hay enough to keep the eggs from breaking. The result was a hatch of almost exactly 100 from every ten hens, showing that where eggs are properly fertilized the external conditions are of little conse quence, so far as extra moisture is concerned. Acting on this result he has ever since given his best efforts to keeping his stock strong and vigorous.—Poultry

WILSON'S **Cabinet Creamery & Barrel Churn** AND ALL DAIRY SUPPLIES.

o feed which trebles he value.

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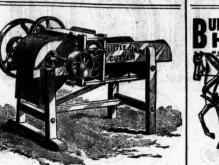
runs at the touch of a finger while carrying the heaviest door; it is the strongest banger made, and the only hanger in the world having a Lathe-grooved Roller; Iron track: strongest in the market, and has the only per-fect splice in use. THE MACK DOOR HANGER CO.



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at Head of Herd.

CONSOLATION received 1st prize in yearling class at N.Y. State Fair and Western N. Y. Fair in 1883; also 1st prize in two-year-old class at same exhibitions in 1884.

R. I CHESTER received 1st prize at Western N. Y. Fair and 2st prize at N. Y. State Fair, in yearling class in 1884.

I offer for sale 55 Choice Yearling Helfers and a few Young Cows, each in calf to Consolation or Rochester, and due to calve in Spring months, and 7 very Choice Young Bulls, the get of Consolation, and 2 Superior Young Bulls of the Pelistrain In point of individual or average excellence my herd is second to none. Correspondence and personal inspection solicited.

EF Cattle in winter quarters at my stables, near residence, which is accessible by street cars.

H. E. BOARDMAN, fi0-18t

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5 Ton Wagon Scales Iron Levers, Steel Bearings, Bras Ture Beam and Beam Sox, for

a14-4t DUTTER and CHEESE making apparatus and supplies of every description 0. H. 20F 2 CO., 253 and 255 Kinzie St., Chicago, Ill.

NEW ADVERTISEMENTS

BULLARD'S TEDDER

Sedgwick STEEL WIRE Fence and steel wire, sety an compound neatness, attength, and durable the best, cheapest, and easterness that the neatost cheapest, and easterness cheapest the neatost cheapest ren fe de. The Boss felding poultry and useful invention. The technor. Cutting Filers, and s. We also manufacture Russ; Wind Engines for pumping, these for grinding, etc. Forprises the statement of the set of the

## Michigan Central R. R Depot foot of Third street. Picket offices

Arrive, from west \$11.59 pm \*6.05 pm \*6.25 pm \*11.45 am \*10.00 am \*8.30 am \$5.55 am ew York Limited Ex.. ail, via Main & Air line DAY Express - 5.00 a m

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Stanta Baptess - 5.00 p m Past Express. 90.00 am
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Bay City and Saginaw 110.55 pm
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Cincinnati Express. 77.30 pm \*9.30 pm Leave. going east. Arrive, from easi

Buffalo and To-ronto Trains. Atlantic Express..... Accomt'n from Windsor Fast Day Express.... New York & Boston Ex Limited Express.... FLINT & PERE MARQUETTE RAIL

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The 7 10 p m train will arrive, and the 3 00 pa train depart from the Fourth street depot. Our trains will arrive and depart from the Brush street depot. Daily except Sunday. Up-town ticket effice No. 154 Jefferson Avense DETROIT, MACKINAW & MARQUETTI

July 27, 1884.
Pioneer East and West Line through the Uppe Pemineula of Michigan. EAST. STATIONS. Accom's.

A.M.

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and 9 50 p. m. The Grand Rapids & Incame
R. for Grand Rapids, Fort Wayne and the Soula
and East.
Connections made at Marquette with the Marquette, Houghton & Ontonagon Railroad for its
Iron and Copper Districts, and with boat lines for
Duluth snd the Northwest.
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D. McCOOL,
FRANK MILLIGAN,
Gen'l Sup't.,
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Marquette, Mich.

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Sleeping Car berths can be seenred at G. T. E'y
Ticket Office, Corner Woodward and Jeffers
Avennes, and at Depot foot of Brash Street.
W. J. SPICER,
General Manager,
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WABASH, ST. LOUIS & PACIFIC B. 1 oot foot of Twelfth Street. Trains run of Central Standard time.

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ouisville.
City Ticket Office 167 Jefferson Avenue.
A. F. WOLFSCHLAGER, City Ticket Ag.
W. H. KNIGHT, Commercial Agent. PROPHETS SAY

a piece of lawn surrounding the ho and usually the result is very credita Thanks to the little lawn mower, th hits of green can easily be kept in g condition, and of themselves render scenery pleasant. What is most not able, however, is the lack of taste played, with rare exceptions, in the t and shrubs occupying these grounds, in the disposition of them. It is evid that the appreciation of beauty in t is, to a great extent, lacking, the tast yet undeveloped among those who h the opportunity of exercising it. and there are to be found grounds have been laid out and planted with which contain valuable trees, and son them of great beauty; but these w

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down to even fifty feet, should

be embellished with handsome trees

The history of the nursery trade in country exemplifies, by many amo and instructive facts, the sway of fas over people lacking in true taste, genuine appreciation of beauty. A time the Kilmarnock Willow was the to be the proper thing to plant, and one must have it; the nurserymen, number of years, could not supply demand, it was a good thing to set al any where, on low ground or ground, in the midst of other trees or on the lawn, on the small town lo that of the suburban mansion, clo the dusty street or in a more retired it was the style to have it and it mu planted. Later sprang up a deman the White-barked birch, alone or in with the Purple-leaved beech, and have been planted in many loca until their frequent appearance is a wearisome. Many similar inst might be given, but these sufficient dicates a lack of true taste in tree ing. The exhibition of a positive ference by planting one kind of t the exclusion of all others is n evidence of good taste, though appa it is sometimes so considered. Pro not a few of us can recall instan grounds planted exclusively with maples, while these also lined the way. At one time, the Yellow was much planted, and we have country places with an acre or lawn about the dwelling, and har dozen or two of locust trees in re standing singly, with scarcely s tree in sight, unless it might have single Black spruce or a Balsam Fi

welve feet from the ground. Within a few years a gentleman telligence, wealth and culture, the large grounds surrounding his ban residence entirely with the An elm, set in rows, one other tree ocust, which had been placed the former owner, gave any variety arboreal scenery. When the state made that the grounds, being larg bordered on two sides by street that these streets, as well as that i were lined with elm trees, not of

in their ornamental aspect is suffi warrant a considerable effort to and plant them.

The difficulties attendant upon ployed. enterprise, our nurserymen ha

cured, and tested, and proved a c of trees that are hardy and suit planting in all parts of the country number of specimens.

are legally established in some S in one way and another people ing their thoughts to this subject are many good and substantial encourage the desire that the tree planting may dominate in life. Memorial trees might o made to symbolize our affect esteem, and the objects about w cluster associations of family public good will. To plant tree propriate ceremonies and fes memory of birthdays, and oth events, is a simple but sure binding closer those family ties the dearest that earth can kno what more appropriate manner honor those who have promin

Forticultural,

April 28, 188

Oh, Mr. Purdy! ANN ARBOR, Mich., April 21, 188 Mr. A. M. Purdy, of Palmyra, New Yo advertises in his catalogue that he ha few strong vines of the Woodruff grape. He has not one vine nor even bud of the Woodruff Red.

EVART H. SCOT

Very truly yours, Tree Planting. The planting season at the north fai

opens with April. As soon as the soi in proper condition a great variety garden work can be performed. spirit of improvement is now so diffu in this country that there are few own of suburban and village residences do not make some effort to maintai know to be striking exceptions. T is no reason why places of moderate

a naked trunk for a distance of

jacent to the place, but for long dis it will be seen how poor a concer beauty must have controlled in th ing arrangement. When we think of the great va our native trees, it would seem th is no proper reason why they sho be numerously represented or grounds, and especially on the of public institutions, which ar ample for the purpose. The value

ing many species of native trees i excuse for their disuse on private g But a far greater variety is ob from nurserymen than is gener With commendable intelliger

trees are of great variety and dis by, and many of them of w eauty of form and foliage, should be better known and me monly planted. Some of them medium size and of compact h even a comparatively small ground will admit of the exhib It is a pleasure to know that tention is, at present, more enga tree planting than ever before;

8,1885

TEEL WIRE FENCE eat, pretty styles for Lawn. Ind Cameteries. Covered with made of galvanized wire, asts a life-time. It is better arbed wire in every respect, it will wear itself into fave; ates made of wrought from dely all competitien in lightength, and durability. We eapers, and easiest word of the control of the cont

Central R. R.

# 5.80 a m 9.00 a m 4.00 p m 6.00 p m 9.00 p m 8.00 p m 8 \$11.50 pm \*6.05 pm \*6.35 pm \*11.45 am \*10.00 am \*8.30 am \$5.55 am \*9.00 am \*6.35 pm \*4.00 pm \*11.45 pm \$9.00 pm \*11.45 pm \$9.00 pm \*5.55 a BAY CITY TRAINS. \*8.30 am \*6.30 pm \*5.10 am \*11.10 am \$10.55 pm \*6.05 an \$10.55 pm \*6.05 an \$11.59 pm \*8.20 a m \$3.00 p m \*4.30 p m \$7.30 p m \$9.80 p m Division. Leave.

\$6.15 a m •7.15 a m \$11.59 a m •7.30 p m \$12.15 a m ys. †Excep \$8.30 p m Ex und O. W. RUGGLES. Gen'l P. &. T. Agt. ch. Chicago, III. oit, Mich. E MARQUETTE RAIL hird Street. Ticket office

Avenue and in Depot. Central Standard Time.

Sundays †Daily. C. A. WARREN P. & T. Agt. & MICHIGAN SOUTH RAILWAY, 7 10 am 8 50 am leve-ress 8 60 pm

will arrive, and the 3 00 pa Fourth street depot. Other depart from the Brush street Sunday, ce No. 154 Jefferson Avense KINAW & MARQUETTS
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de at St. Ignace with: The allroad for Detroit and all and in the east, south as are Mackinaw City 5 90a n. Grand Rapids & Indians R. Fort Wayne and the South at Marquette with the Mar-Ontonagon Railroad for the ricts, and with boat lines in West. Sunday. ral Standard Time. PRANK MILLIGAN. Gen'l Prt. & Pass. Ast. Marquette, Mca.

PROPHETS SAY
will be rainy nost summer
ve your hay. Our circular control
on carly carrier that heres recent
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states.

Forticultural,

Oh, Mr. Purdy!

ANN ARBOR, Mich., April 21, 1885. To the Editor of the Michigan Farmer. Mr. A. M. Purdy, of Palmyra, New York, grape. He has not one vine nor even one bud of the Woodruff Red. Very truly yours,

Tree Planting.

The planting season at the north fairly a piece of lawn surrounding the house, and usually the result is very creditable. Thanks to the little lawn mower, these scenery pleasant. What is most noticeable, however, is the lack of taste disand shrubs occupying these grounds, and in the disposition of them. It is evident that the appreciation of beauty in trees is, to a great extent, lacking, the taste is yet undeveloped among those who have the opportunity of exercising it. Here and there are to be found grounds that have been laid out and planted with care, which contain valuable trees, and some of them of great beauty; but these we all know to be striking exceptions. There is no reason why places of moderate size, or those having a width of a hundred down to even fifty feet, should not be embellished with handsome trees and The history of the nursery trade in this

country exemplifies, by many amusing and instructive facts, the sway of fashion over people lacking in true taste, or a genuine appreciation of beauty. At one time the Kilmarnock Willow was thought to be the proper thing to plant, and every one must have it: the nurserymen, for a number of years, could not supply the demand, it was a good thing to set almost any where, on low ground or high ground, in the midst of other trees or alone on the lawn, on the small town lot, or that of the suburban mansion, close by the dusty street or in a more retired spot, it was the style to have it and it must be planted. Later sprang up a demand for the White-barked birch, alone or in pairs with the Purple-leaved beech, and these have been planted in many localities, until their frequent appearance is almost wearisome. Many similar instances might be given, but these sufficiently indicates a lack of true taste in tree planting. The exhibition of a positive preference by planting one kind of tree to the exclusion of all others is not an evidence of good taste, though apparently it is sometimes so considered. Probably not a few of us can recall instances of grounds planted exclusively with sugar maples, while these also lined the road way. At one time, the Yellow Locust was much planted, and we have seen country places with an acre or two of lawn about the dwelling, and having a dozen or two of locust trees in rows, or standing singly, with scarcely another tree in sight, unless it might have been a single Black spruce or a Balsam Fir with anaked trunk for a distance of ten or twelve feet from the ground.

Within a few years a gentleman of intelligence, wealth and culture, planted with a small quantity of the liquid. the large grounds surrounding his suburban residence entirely with the American elm, set in rows, one other tree only, a ocust, which had been placed there by a former owner, gave any variety to the arboreal scenery. When the statement is made that the grounds, being large, were bordered on two sides by streets, and that these streets, as well as that in front. were lined with elm trees, not only ad jacent to the place, but for long distances, it will be seen how poor a conception of beauty must have controlled in the plant. ing arrangement.

When we think of the great variety of our native trees, it would seem that there in no proper reason why they should not be numerously represented on large grounds, and especially on the grounds of public institutions, which are often ample for the purpose. The value of these in their ornamental aspect is sufficient to warrant a considerable effort to procure and plant them.

The difficulties attendant upon procuring many species of native trees is a valid excuse for their disuse on private grounds. But a far greater variety is obtainable from nurserymen than is generally employed.

With commendable intelligence and enterprise, our nurserymen have procured, and tested, and proved a collection of trees that are hardy and suitable for planting in all parts of the country. These trees are of great variety and dissimilariby, and many of them of wonderful beauty of form and foliage, and they should be better known and more commonly planted. Some of them are of medium size and of compact habit, and

number of specimens. It is a pleasure to know that public atlention is, at present, more engaged with tree planting than ever before; arbor days are legally established in some States, and in one way and another people are turning their thoughts to this subject. There are many good and substantial reasons to are taken out even fresher than when encourage the desire that the spirit of they came off the bush.

earned the gratitude of society!

besides a dozen well defined species that are available, there are numerous varieties distinguished by peculiar forms of advertises in his catalogue that he has a differences of coloring. Our Silver few strong vines of the Woodruff Red maple for instance, affords four marked varieties; the Crisp leaved, having its foliage deeply cut and crimped, and being a tree of medium, and rather compact growth; the cut-leaved, a luxuriant, erect grower, with handsomely cut or divided leaves; Wier's Cut-leaved, with cutor divided leaves, and having slender opens with April. As soon as the soil is shoots of a drooping habit, giving a very in proper condition a great variety of graceful appearance; the Three-partedgarden work can be performed. The leaved, a vigorous, upright grower, with spirit of improvement is now so diffused leaves that are cut nearly to the midrib. in this country that there are few owners The Norway maple, besides the typical of suburban and village residences who species, supplies seven distinct varieties, do not make some effort to maintain a which are the Cut-leaved, the Eagle's Claw, the Gold margined, Lorberg's, an elegant variety with deeply cut foliage, Reitenbach's with purplish leaves, and hits of green can easily be kept in good Schwedler's, also with purplish leaves. condition, and of themselves render the The Sycamore maple has a number of others. How many of our readers are played, with rare exceptions, in the trees aware that the trade supplies eight distinct varieties of the Horse Chestnut, besides the familiar common form, yet such is the fact. Our space will not allow even the mention of the many fine varieties of the alder, the birch, the cherry, the flowering thorn, the beech, the ash, the oak, the locust, the willow, the linden, the elm, and many other kinds .- Vick's Magazine.

To Make Kerosene Emulsion

The directions for making the kerosens

violently dashed or churned for a period | Tribune. of time, varying with the temperature, from 15 to 45 minutes. The churning. however, requires to be much more violent than can be effected with an ordinary butter churn. The aquapult force pump, which is also the most effective instrument I have seen for spraying trees, may be satisfactorily used for this purpose where moderate quantities only are required. The pump should be inserted in a pail or tub containing the liquids, which are then forced into union by continuous pumping back into the same receptacles through the flexible hose and spray nozzle. After passing once or twice through this pump, the liquids unite and form a creamy emulsion, in which finely divided particles of | yet produce tolerably large leaves, which oil can plainly be detected. This is as the provident Danes stow away for winter far as the process can be carried by stirring or by dashing in an ordinary churn; the product at this point will not bear a size larger than marbles, and are diluting with water, and separates or only grown and eaten as curiosirises at once to the surface. On continued churning through the pump the liquid finally curdles, and suddenly thickens, to form a white and glistening butter, perfectly homogeneous in texture,

and stable. "The whole amount of both ingredients solidify together, and there is no whey or other residue; if, however, the quantity of the mixture is greater than can be kept in constant agitation, a portion of the oil is apt to separate at the moment of emulsification, and will require the addition of a few ounces of milk, and further churning for its reduction.

"This kerosene butter mixes readily in ther fresh or sour milk may b and the latter is even preferable. The presence of kerosene does not prevent or hinder the fermentation of the milk; on standing a day or two the milk curdles, and although there is no separation of the oil, the emulsion thickens and hardens, and required to be stirred, but not churned, until it regains its former smoothness. If sour milk is used, no further fermentation takes places, and if not exposed to the air, the kerosene butter can be kept unchanged for any length

"Kerosene emulsions may be made of almost any strength; the quantity of milk required to hold the oil does not exceed one-tenth. But emulsions having over 80 per cent. of the oil have too light a specific gravity, and are not readily held in suspension in water. On the other hand, in the process of emulsification, kerosene loses a portion of its value. As the result of numerous experiments, I would recommend an emulsion consisting of refined kerosene, two parts; fresh, or preferably sour, cows milk, one part.

The amount of butter used in each twogallon pail of water for scale insects, is about one pint; a little less might be tried for the scab-fungus, and the butter should be diluted only when wanted for immediate use.

To Keep Flowers Fresh.

A practical florist says the clove pink we grow will last a week or ten days. A solid rosebud will last about the same time. All that is necessary to keep flowers fresh is to keep them moist and cool. Instead of dipping flowers in water or putting them in a vase with water, even a comparatively small space of they should simply be wrapped up in a ground will admit of the exhibition of a wet newspaper, which will keep them far fresher over night. A wet towel or napkin is too heavy, and will crush the the moisture to evaporate too easily. Boston florists pack rosebuds in wet These love to be as near the surface as paper, and send them as far west as they can get, provided the temperature be Chicago, or even St. Louis, where they not too high, food and moisture be abun-

tree planting may dominate in our rural Boston rosebuds are superior in comlife. Memorial trees might oftener be parison with those grown in the west. the surface shady through vegetation. made to symbolize our affection and The stem of the Boston bud is far longer esteem, and the objects about which shall and stouter than that of a western-grown tive coolness required by the roots, the cluster associations of family joys and bud, and the colors are more brilliant and shade which they love, and also permits, public good will. To plant trees with apthe bud more durable. When the stem by the shade, the roots to get nearer the are well protected from the cold." propriate ceremonies and festivities in is long and thick the florists do not have surface than when growing in the full memory of birthdays, and other family to use so much wire to strengthen it, and light which the bare ground provides. events, is a simple but sure means of it is much more convenient in the hand- Where food and moisture, however, are

tinguished themselves in public life, and there is bestowed upon a rose the more double it becomes, that is, the more of A glance at the nurserymen's cata. the stamens turn into petals. White logues shows how rich is the collection abutilons are not in as much demand open to our choice. Among the maples, among florists as roses, since they are very brittle, and when they are creased the place turns black. A rose can be used even when it is pretty far gone, and outline and peculiar forms of leaves and and it will stand a good deal of comparatively rough usage. Of course, if a bud is stepped on, its usefulness is somewhat impaired, but even when it is fully open and just ready to fall apart, florists can fasten it with hair wire so that it closes quite like a fresh bud and will last that way until it withers.

Best Success With Small Trees. Only occasionally under favorable circumstances, with the greatest care and skill, are large trees successfully removed, and the exceptional instances are those in which the little feeding rootsthe only ones of much benefit in sustaining life-are retained. But a small, healthy tree may be dug with all its roots undisturbed, so that with care in handling when out of the ground, and with due attention to planting, we may reasonably expect it to grow vigorously, if not beautiful varieties, and there are still the first season, assuredly the next. When a tree is debilitated from any cause, especially by loss of the feeding roots, it requires often a long time to recover. Even cutting off the tops to counter-

balance loss of roots is only a partial remedy, as nothing can fully compen sate for the absence of these important organs. During removal endeavor to prevent the rapid evaporation which is branches. In large trees this is so great kept well cultivated. that frequently all the sustenance is drawn from the roots before the tree is planted. Wrapping tops as well as roots emulsion, so valuable as an insectcide, are in damp cloths, when out of the ground, given in the report of the Department of and moistening them occasionally, is un Agriculture for 1881-2; and are as follows: doubtedly of value. Small specimens, "The oil and milk in any desired pro- having so few obstacles to overcome portions are poured together, and very rarely fail if properly cared for .- N. Y.

Vegetables in Greenland.

At the Danish Station of Godthaab (latitude 64 deg.), close to the open sea, turnips, radishes, lettuces and parsley are almost the only plants that can be cultivated with any success. The turnip, indeed, requires a favorable summer to produce anything like tolerable specimens. The cabbages are scarcely worthy of the name; but at two inland stations up the fjord, about thirty miles north of Godthaab, the climate is strikingly different. Here, Dr. Rink informs us, turnips always come to perfection, carrots prosper well and attain a fair size, and cabbages, though unable to develop thick stalks, use. Attempts have been made to cultivate potatoes, but the tubers never attain ties. Under the most favorable cir-

cumstances green peas only produce shells in which the peas are barely recognizable. This is within the Arctic circle, or at least on its immediate borders. In South Greenland, the site of the old Norsemen's settlements, horticulture is practised unsome of the posts, in about the same latitude as Christiana, good carrots have been produced, and in a forcing frame strawberries have grown well and yielded fruit for several years, but they afterward died, owing probably to the severity of the climate. At Julianshaab turnips often Radishes are fit to be eaten in the middle of June. Rhubarb grows pretty vigorous ly, and can be raised from seeds. Green cabbage attain a good size, but never the

normal taste and pungency of the vegeta-· The Wealthy Apple.

This fine iron-clad fruit, which has proved such a bonanza to the fruit growers of the "cold north," has spread along our northern frontier and into the adjoining provinces with wonderful rapidity, so that although it is only about fifteen years since the original tree bore its first apple, bearing trees and even orchards of it are to be found at short distances all the way from Washington Territory to the Gulf of St. Lawrence. The fruit itself has as few faults as any apple grown, being of good size, fine color, regular shape, a good shipper, "very good" to best" in quality for eating out of hand, and for cooking. In season, like the Baldwin, it varies from early fall to all winter, according to locality, but in the northern part of Maine, Vermont and New Hampshire, and in Quebec and New Brunswick it will keep until March or April without serious loss. The tree is a rapid and erect grower while young, very much resembling in the habit of growth and early and profuse bearing the Russian apple of the type of the Duchess of Oldenburg. If allowed to bear when young the growth is checked, and the trees sometimes injured. This should be avoided by removing all or nearly all the fruit, until the tree has reached two or three inches in diameter, which is usually about five years after setting .- Rural New Yorker.

Surface Management of Orchards.

The Gardener's Monthly thus simplifies this problem: "The surface management in orchards should be a very simple question in the roots of trees are the small, annual fibres. dant, and an absence of light. Some times these conditions will be best secured by a clean surface, sometimes by keeping An orchard in grass affords the comparabinding closer those family ties which are ling. Even in New York the florists the dearest that earth can know; and in what more appropriate manner could we honor those who have prominently dis-

REPORT OF MISSOURI STATE HORTICUL TURAL SOCIETY FOR 1884. Another of the valuable reports which are being added to our horticultural literature; a neat volume of 425 pages, bound in cloth, and containing the official reports of the meetings of the State Society for 1884, papers read, and discussions; and reports of county organizations. The Secretary's Budget, edited by L. A. Goodman, Secretary, is interesting and valuable, being made up of carefully edited selections from the current horticultural literature of the day.

WESTERN NEW YORK HORTICULTURAL SOCIETY: REPORT OF THIRTIETH AN-NUAL MEETING. The proceedings of this ociety are always full of interest to those interested in horticultural matters, com posed as it is of men like Patrick Barry, J. J. Thomas, W. C. Barry, and many others who have a national reputation in their special line. Dr. Sturteyant furnishes a paper on Agricultural Botany, attention. Our farmers will be attracted by Daniel Batchelor's essay on "Lawns top packing; it keeps it wet. and Lawn Grasses," while there are other features of interest to thinking

Horticultural Notes.

PEARS, peaches and quinces will not thrive in the shade of larger trees. Raspberries, both red and black, blackberries and currants, constantly taking place through the will do well in partial shade if the ground is

> DR. E. LEWIS STURTEVANT germinated perfect grains of maize—not mouldy—at a temperature so low as 42.7 deg. F.-5 deg. less than is recorded by Sachs and other botanists. But the interval was long; and, most remarkable, there was no rotting of seed.

PROP. J. L. BUDD deprecates the "boom n the interest of the Russian apricot, and save that though it may advance horticulture by introducing a hardier type of the apricol from which crosses of value may be produced in time, its present value as a fruit is not high. It will never take the place of the peach.

Concerning the advice given by certain parties to apply a handful of salt to squash vines as a remedy for insects, the New England Farmer warns us that a free use of salt will kill any tender vegetable, and that even large trees have been killed by the application of only a moderate quantity of brine to their

THE London Garden says: "If you merely make a mixture of soot and water, you have a crude and dirty thing to deal with; and the right way is to put a bushel of soot into a well made canvass bag, into which a heavy piece of old iron has previously been thrown as a sinker; then tie up the bag tightly, and throw it into a tank or large butt of pure rain or river water. None of the crude carbon makes its escape; but you have all the ammonia and other essential component parts of the soot, which are ready soluble; and, either fer syringing or watering, it is of the utmos

JOSIAH HOOPES tells us in the New York Tribune, that one thorough hoeing or cultivat-ing early in the season is worth more to the der more favorable circumstances. At crops than two stirrings later for obvious reasons. The accumulation of seeds in the soil generally germinate as soon as the weather is propitious, consequently if destroyed soon after they put in an appearance above ground the cause of future trouble is at once removed. Again, the formation of new fibres on our growing crops is most prevalent early, and it is then they need a loose soil for their develop attain a weight of more than half a pound, ment. Stimulating growth at the beginning water, care being taken to thin it first and are fit for table in the middle of July. of the season, when it should be the most active, always pays.

THE Rural New Yorker says, in speaking of the effect of plaster on strawberries: "Land plaster has never shown any good results with us when used on strawberries. Good un-leached wood ashes and phosphate, or fine ground bone, are the best strawberry manures we know of, and we have tested about every- the new, at lowest cash prices. Price list free to thing. One to two thousand pounds of bone, or phosphate, and 50 or 100 bushels of ashes to the acre, would have an excellent effect, the mount depending somewhat on the natura fertility of the soil; but more particularly upon the quantity of berries that is wanted. These can be bought here for half the outlay for enough stable manure to produce the same enough stable manure to produce the same results. Superphosphate will start plant growth a little more quickly, but is not as cheap and reliable as good, pure, ground bone, which is more slow in becoming available as plant food; but its good effects always show themselves the next season at fruiting time."

Hood's Sarsaparilla is characterised by thre peculiarities. 1st, the combination of remedial agents. 2nd, the proportion. 3d, the process of securing the active medicinal qualities The result is a medicine of unusual strength effecting cures hitherto unknown.

Apiarian.

Bees in Spring. . C. M. Goodspeed, in the Rural New Yorker, says:

"Bees that have been wintered on thei summer stands will require a little looking after when warm weather comes. If the colony has dwindled badly, it should be united with some other stock, or the brood chamber should be contracted with a division board. As soon as it is warm enough to handle them, say, by the time the snow is all gone, you should take a new, clean hive, and go to the first colony, carefully lift each frame out and put it in the new or clean hive, being careful to blooms too much; besides, it would allow light of past experience. The feeding give each frame the same position it occupied in the old hive. Now clean this empty hive thoroughly, and then put some other colony in it, and so on through the whole affair. Handling bees in this manner gives an excellent opportunity to equalize their stores, giving to those short of honey a frame from some stock that has more than it will require; place this frame just outside of the cluster. Be sure your bees are always supplied with plenty of provisions, and a dry, clean hive, and

> In Germany, bee teachers employed by the government travel from place to place, to give instructions in bee culture, and in the villages an important organization is the bee club, under the direction of which exhibitions are given and prizes

NEW ADVERTISEMENTS.

are awarded. It is said, also, that the German rural schoolmaster is examined in bee culture before he is given his diploma.

H. L. JEFFREY, in the Connecticu Farmer recommends: Don't use firstclass lumber for hives or caps, because i does not stand the weather as well as that containing good hard knots. Oil your hives with two or three coats, but don't paint them, except on the tops. Paint fills up the pores of the wood and keeps in all the moisture, making the combs and packing damp and mouldy. Twice the amount of feather frost will be found inside a painted hive as in one unpainted. and Dr. Caldwell's Experiments on I have watched them both for years. Special Manures for Grapes, including a Have a ventilator in the top of your hive preventive of mildew, will be read with cap under the roof to let the moisture pass out. Don't let your cap rest close on the

W. Z. HUTCHINSON, in the Country Gentleman, says: "Each bee keeper should know when to expect the honey harvest in his locality, and should so manage as to have his hives overflowing with bees at its commencement. Before and after the harvest, bees are consumers, not producers: so a hive full of bees in early spring is not so desirable as a colony only sufficiently strong as to be able to increase its numbers to the desired degree, by the opening of the honey harvest. From the laying of the egg until its development into a bee is twenty-one days: from the hatching of bees until it is old enough to labor in the fields is about fifteen days; hence, brood-rearing should be going on very briskly five or six weeks before the opening of the honey harvest. It is at this time, six weeks before the honey harvest, that stimulative feeding will prove profitable, if ever, and, when commenced, it should be continued until the harvest begins."

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Reference, Editor Michigan Farmer. 14-6

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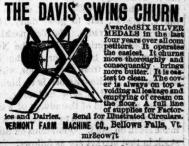
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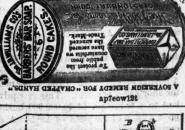
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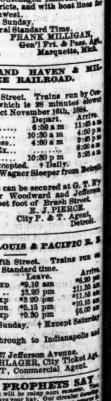






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The Michigan Farmer

STATE JOURNAL OF AGRICULTURE

DETROIT, TUESDAY, APRIL 28, 1885.

#### WHEAT.

The receipts of wheat in this market the past week amounted to 36,957 bu., against 54.541 bu. the previous week and 33,874 bu. for corresponding week in 1884. Shipments for the week were 74,579 bu. The stocks of wheat now held in this city amount to 1,092,671 bu., against 1,173,706 last week and 274,141 bu. at the corresponding date in 1884. The visible supply of this grain on April 18 was 41,432,681 bu. gainst 42,724,678 the previous week, and 24,479,280 bu, at corresponding date in 1884. This shows a decrease from the amount in sight the previous week of 1.291.997 bu. The export clearances for Europe for the week ending April 18 were 987,747 bu., against 796,593 the previous week, and for the last eight weeks they were 5,004,855 bu. against 5, 775,106 for the corresponding eight weeks in 1884. There has been less excitement in the

wheat market the past week, but the position of sellers has improved from day to day under the stimulus of foreign dis patches presaging a war between Great Britain and Russia, and the certainty of a decreased acreage and poorer prospects for the growing crop in this country. On Saturday prices were higher than at any time during the week, and the decline from the prices reached during the boom of two weeks ago is nearly recovered Yesterday this market was rather weaker under reports of less probability of war, and prices declined a little from Saturday's rates. It now looks as if war was inevitable, other markets were about the same as this one.

The following table exhibits the daily closing prices of wheat from April 10

| A SHEET OUT | No. 1 white. |                   | No. 2<br>red. | No. 8       |
|-------------|--------------|-------------------|---------------|-------------|
| Apr.10      | . 9634       |                   | 9516          |             |
| ** 11       | . 98%        | at the section po | 9816          | n selection |
| 4 13        |              | ****              | 1 01          | ****        |
| ** 14       | . 1 05%      | 3                 | 1 0516        |             |
| 44 48       | 1 08         | ****              |               |             |
| 4 15        | . 1 00       |                   | 1 01%         |             |
| * 16        | . 1 00       | ****              | 9834          |             |
| " 17        | . 99         |                   | 98            |             |
| ** 18       | . 99%        |                   | 9814          | 200         |
| ** 20       | 1 02%        |                   | 1 01%         | 901/        |
| 44 01       | 1 001        | ****              |               | 8914        |
| " 21        | . 1 021/2    | ****              | 1 001/6       |             |
| ** 98       | . 1 02%      |                   | 1 00%         |             |
| ** 23       | . 1 03%      | 20 8              | 1 00%         |             |
| 4 24        | 1 03         | **** 1            | 1 00%         |             |
| 44 25       | 1 0912       | III. DY           | 123           |             |
| 44 97       | 1 0078       |                   | *****         |             |
|             | 1 00         | 77                | 100%          |             |
| PT 4.33 4 5 | 10000        | march 3 2 5       | 31111         | 17.         |

The following statement gives the closing figures on No. 1 white each day of the past week for the various deals:

| 'uesday<br>Vednesday<br>hursday | May     | June. |
|---------------------------------|---------|-------|
| nesday                          | 1 0214  | 1 08% |
| Vednesday                       | 1 02%   | 1 04% |
| hursday                         |         | 1 04% |
| riday                           | 1 0314  | 1 05  |
| aturday                         | 1 031/4 | 1 04% |
| londay                          | 1 03%   | 1 05  |

For No. 2 red the closing prices on the various deals each day of the past week

| rere as follows: |        |       |
|------------------|--------|-------|
|                  | May    | Ju    |
| nesday           | 1 00%  |       |
| Vednesday        | 1 00%  | 1 (   |
| hursday          | 1 0114 | 10    |
| riday            | 1 01   | 1 (   |
| aturday          | 1 01%  | 1 (   |
| londay           | 1 01   | 1 (   |
| ***              | -      | 0.000 |

It is quite evident grain operators are beginning to have some faith in the reports of poor prospects for winter wheat in nearly every State where it is grown. They are, in many instances, buying because they believe wheat as low as it is likely to be even if an Anglo-Russian war should never take place. Of course there are many who take the other side of the question, and point to the large visible supply, the lack of animation in the foreign demand, and assert that the present crop prospects do not warrant present prices, while a few warm rains will result in a vast improvement in the crop reports. These arguments have a strong influence with many, and when the present stagnapretty strong case for the bears. They

The first monthly crop report under the Hon. Norman L. Colman, the new Comsioner of Agriculture, appeared on Saturday. It says there has been a reduction in the area of winter wheat ac. to the returns of April of over 10 per cent.

A partial investigation in December made. the shortage 8 per cent. This is equivalent to a reduction of 40,000,000 bushels upon a basis of the yield of 1884. A decrease in area is reported in every State exless, but the figures are not given.

The present condition of wheat is 77 per cent, against 96 per cent, last year and 30 per cent. in 1883. In 1881, the year of the lowest recent rate of yield, the condition April 1 was 85, and serious loss was sustained afterwards.

The real status of the crop will be better shown a month hence, when the vitality of the roots has been demonstrated and character of the spring determined. On light. Quotations are as follows:

on the basis of last year's production omises to be more than 50,000,000 oushels from winter killing and low vital ity, in addition to the loss from diminished breadth, and whether the crop wil exceed 100,000,000 bushels or fall short of it depends upon the reliability of present appearances and on future conditions affect-

ing growth and ripening. Minnesota reports speak poorly for winter wheat. Dakota farmers still complain of drought and reports indicate a ssation of the increase of wheat area.

The following table shows the prices raling at Liverpool on Saturday last, as compared with those of one week previ-OUS:

April 25.

Per cental.

7iour, extra State... 10s. 0 d.

Wheat, No. 1 white... 7s. 94d...
do Spring No 2 new 7s. 94d...
do Winter Western 7s. 1 d.

CORN AND OATS.

The receipts of corn in this market the past week were 7,758 bu., against 15,935 bu. the previous week, and 10,533 bu. for corresponding week in 1884. Shipments were 16,008 bu. The visible supply in the country on April 18 amounted to 10,287, 195 bu. against 11,606,192 bu. the previou week, and 15,580,362 bu at the same date last year. The visible supply shows a decrease during the week of 1,318,997 bu. The exports for Europe the past week were 1,225,141 bu., against 1,668,184 bu. the previous week, and for the past eight weeks 13,010,385 bu., against 5,-136,140 bu, for the corresponding period in 1884. The stocks now held in this city mount to 63,717 bu., against 77,725 bu. last week and 20,007 bu. at the corresponding date in 1884. Corn has reached the 50 cent limit and gone a few points beyond. The receipts are light, demand fair both from the home trade and for export, and the result is a steady market with values tending upward. This is likely to influence very materially the amount planted this spring, and the shortage in by an increased acreage in corn. But it is a long time before new corn can come into market, and probably not more than half the crop year has been got through with. It is not likely therefore that values will be much affected now by expectations which may or may not be realized

the street prices are quoted at 48@48c per bu. The Chicago market is firm and highthan a week ago. No. 2 spot is quoted there at 471@471c, April delivery at 471c, May at 47fc, June at 48fc, and July at 48\$c. Toledo is firm with No. 2 spot at 50c, and May and June deliveries at same figures. Milwaukes is firm, with No. 2 at 474c, and light offerings. The Liverpool old do. The receipts of oats in this market th

next November. It looks as if corn occu-

pied a stranger position than wheat. No.

at 51c, and new mixed at 50c per bu. On

market yesterday was quoted firm at 5s. per cental for new mixed, and 5s. 8ld. for past week were 70,927 bu. against 12,978 pu. the previous week, and 26,412 bu. for the corresponding week in 1884. The shipments were nothing. The visible supply of this grain on April 18 was 2,512,285 bu., against 8,739,927 bu. at the corresponding

date in 1884. Stocks in this city on Monday amounted to 53,309 bu-, against 11, 823 bu. the previous week, and 34,499 bu. at the corresponding date in 1884. The exports for Europe the past week were 232,172 bu., and for the last eight weeks were 1,497,785 bu., against nothing for nding weeks in 1884. The visible supply shows a decrease of 77, 252 bu. during the week. The demand has been lighter the past week, and under increased receipts the market has declined somewhat from the prices of a week ago. No. 2 white are quoted at 394c, No. 2 mixed at 381c, and light mixed at 381c per bu. At Chicago oats are quiet and firm, with prices a little higher than a week ago. No. 2 mixed spot are quoted there at 341 @35c, May delivery at 35tc and June at 35%c per bu. The Toledo market is quiet and steady, with No.1 mixed spot at 88c. At New York oats are more active and higher, with sellers very firm at current values. Quotations there are as follows: No. 8 mixed, 891c; No. 3 do., 401c;

#### DAIRY PRODUCTS.

411c.

The warm days of the past week were a damper on the butter market. Considerable amounts of stock arrived in had condition, and were difficult to dispose of even at concessions. Fresh rolls were in fair demand at 16@18c per lb., but they seemed to be affected seriously by the weather. Fresh packed lots in small packages were most inquired for, and sold at 17@18c when of good quality and in fine condition. Medium and low grade lots were quiet at 12@14c, and grease at tion of business is added, make up a anything offered above 6c. Very little creamery offering in the open market. admit, however, that a declaration of war Quoted at 22@25c per lb. The Chicago would entirely change the position of market has ruled firm the past week affairs, and it would be difficult to predict on desirable goods, at a slight adits influence upon the market. Quotations in that market are as follows: Creamery, fancy, 26c; do., common to choice, 18@23c; dairy, choice to fancy, 19@28c; fair to good dairy, 14@ 16c; common grades, 12@18c; packing stock, 8@9c; inferior, 6@7c. The New York market is higher for the choicest descriptions of fresh made goods, which are scarce. Ordinary stock is no higher, and the demand is slow and dragging, Dealers are afraid of the advent of warm cept Oregon. The decrease in Illinois is | weather, and don't wish to be caught with 12 per cent. That of Minnesota is slightly much stock on hand. Quotations on State

| g | stock in that market are as follows:  |
|---|---|
| ă | Creamery, fancy, palls, e.c   |
| Ĭ | Creamery, prime   |
|   | Creamery, ordinary  |
|   | State half-firkin tubs and pails, choice. 20 021<br>State half-firkin tubs, etc., fair to good 18 019<br>State, half-firkin tubs, etc., ordinary. 17 0174 |
| 3 | State, half-firkin tuos, etc., ordinary. 17 @17% State, Welsh, choice   |
| 1 | State, Welsh, ordinary 16 @17   |
|   | Western stock is steady, with stocks  |

the present showing the reduction of yield

ports for the week ending April 18 were 157,601 lbs., against 170,778 lbs. the previous week, and 321,358 lbs. two weeks previous. The exports for the correspondng week in 1884 were 144,384 lbs. The cheese market is quiet and un-

changed at this point, with prices for full cream State ranging from 12 to 134c per lb., and good skims at 8@9c. The d mand is very limited, and the movements of stock very light. The Chicago market is again lower and very dull. Quotations there are as follows: Full cream cheddar, 91@104c; full cream flats, two in a box. 11@111c: Young America, full cream, 111@121c; choice skimmed, 5@51c; skim-

med, poor to good, 2@4c; damaged, 1@ 1c. The New York market is fairly firm at the quotations of a week ago. Old stock in good condition is in light supply, and holders generally insist on outside figures, while new stock seems to be rather weak at current prices, with dealers inclined to offer concessions to secure customers. Quotations on old are as follows:

e factory, skims common......
o fis prime to choice.....
o fia te, fair to good...... Quotations on new are as follows:

State factory, full cream.... State factory, light skim.... State Factory, heavy skim... Skims, Pennsylvania, prime, Skims, Pennsylvania, commo on to good. 1 @ The Liverpool market is quoted steady at 60s. per cwt., the same figures as reported one week ago.

The receipts of cheese in the New York market the past week were 11,942 boxes against 18.485 boxes the previous week and 10,763 boxes the corresponding week wheat acreage will probably be made up in 1884. The exports from all American ports for the week ending April 18 foot up 1,924,915 lbs., against 742,663 lbs. the previous week, and 1.885,530 lbs.two weeks ago. The exports for the corresponding week last year were 329,066 lbs.

#### WOOL.

The sheep shearings now being held in corn is quoted here at 502c, high mixed many of the northern States lend con siderable interest at present to the wool market. At the east there seems to be an inclination to put off purchasing to any extent for fear of exciting the market just as the new clip is beginning to come forward. Stocks are light everywhere, and wools now offering are not a fair criterion of the state of the market or the value of the particular grade they belong to, because they have been picked and selected from until there is nothing of a desirable character left. It is not too much to say that Michigan X, now reported selling in Boston at 29c, would bring a cent more were the offerings equal to the grade. The Boston Daily Advertiser says of that market:

"In fleeces there has been a very good de mand, but prices are unchanged or about steady. A fancy lot of XX Onio and above will bring 33@34jc, and where there is more than one sale of Onio X at 32c. 30@31c is a more correct quotation. A sale of a small lot of Ohio XX and above has been made at 34c, and 36c has been secured for picklock. Fine wools are secured for picklock. Fine wools are steadily held, but it is more a buyer's than a seller's market. Michigan X sells at 28@29c, and No. 1 at 30c. The supply is now broken. A lot of Montana brought 21c this week. There is not much call for has been made at 24c, but the seller still holds some of his best combing at 29c and 27c. Pulled wools are in good demand the low prices having attracted buyers and caused them to stock up. There is a fair caused them to stock up. There is a fair demand from the hosiery mills for scoured pulled, and as many good lots have recent-ly been disposed of, selections are becoming broken. Medium noils are in short supply, and some holders have advanced their prices, which have been realized. A feature of the market has been that manufacturers have wanted wool bought shipped out to them with as little delay as possible; indicating that they have use for it, having orders, and that their stock of wool on hand is small.

The sales in that market the past week were 4.532,700 lbs., of which 2.242,700 lbs. were domestic and 2.291,000 lbs. foreign No. 1 do., 41c; No. 2 Chicago mix Of the foreign 2,201,000 lbs. foreign. Of ed. 412c; No. 3 white, 424c; No. 2 do., the foreign 2,187,000 lbs. were carpet 134c; No. 1 white, 46c; Western white, 43 wools, and were purchased because ad @50c; State white, 471@48c; State mixed, vices strongly indicated the probability of an Anglo-Russian war, which would interfere with further importations from Russia, where large amounts are grown. Some Australian was sold at prices rang-

ing from 34@394c. The New York market has ruled less [625] in the New York. active than that of Boston, but a fair amount of business has been done. Manufacturers complain that they cannot place their goods, and that it is therefore useless to attempt pushing business at present. They admit prices are very low, but assert that the goods market is so unpromising that they do not care to purchase until compelled to. Among the sales reported the past week were 10,000 lbs fine delaine lbs do do. 83c; 10,000 lbs X do, 814c; 10, 000 lbs do do, 31 c; 10,000 lbs X Michigan 30c: 5,000 lbs State, 28c: 20,0000 lbs un washed and unmerchantable, 23tc: 5.000 lbs Territory, 17c; 5,000 do, 17tc; 20,000 lbs fall Texas, 12@13c. A large amoun was reported sold on private terms, which included nearly all grades. Of the New York market the Economist says:

"The old clip of wood is becoming rapid ly exhausted, and already good California and Texas wools are getting to be very scarce. There is not fifty bales of good California wool in market, and Texas California wool in market, and Texas wools of any good grade are not to be had. We are justified therefore in quoting 3 and 3 per cent. on medium fine scoured Texas and California wools this week, and the incline is upwards as we go to press, with more buyers than sellers in market. A few small invoices of Texas and California have been received and some parcels sold at leas than they are worth on the ranches, viz., 15@16c for good condition Texas six or seven months' growth. The price of wools in Tom Green's County and the other wool growing sections Texas to-day is 16@17c for good light six and seven months' growth, and 20@21c for year's growth—poor wools can be bought ic to 3c less, Now, two good fair lots of medium fair condition Texas wool sold here this week mond's fleece was 44 lbs. 4 oz., and the sheep

at 15c and 16c, but no shipments will come this way in bulk at these figures way soon, because the cost would previous war, and clipped 41 lbs. 3. oz., so simply make prices 3c too low. Now what is true of Texas is true of California, and in Ohio the farmers will endeavor to carry their fine fleeces once more to half a dollar a pound. This per The exports of butter from American haps cannot be fully accomplished year, and the least stir in the woo goods trade will see prices advance 15 per cent. in very quick time. This is the sil ver lining which we see to the cloud. The record made by Diamond for three years is trade may dodge it as they please, but they are sure to get worsted in the struggle to depress prices of the new clip. It cannot be done while money is so cheap and abundant as to go seeking for safe investments, such as wheat and wool."

There were the struggle to depress present from other States shearings, as a two year old and three years is the state shearings, as a two year old and three years of the state shearings, as a two year old and three years is the struggle to depress prices of the struggle to depress prices of the struggle to depress prices of the new clip. It is dependent to depress prices of the new clip. It is dependent to depress prices of the new clip. It is dependent to depress prices of the new clip. It is dependent to depress prices of the new clip. It is dependent to depress prices of the new clip. It is dependent to depress prices of the new clip. It is dependent to depende

We are in hopes yet of seeing a subtantial advance in prices before the new clip from the northern States is put on the market, and it will come if the business outlook improves as nearly everybody ex-

THE bottom has dropped out of the potato market very suddenly, and while breadstuffs are working upwards they are on the down grade. Prices probably reached their highest point last week Quotations here are 38@40c per bu. for car lots, and 40@45c from store. On the street farmers realize 40@45c. The market is quiet and dull. At Chicago prices have also declined, and under increased receipts are dull at the decline. Quota tions on car lots there are as follows Good to fancy Burbanks 47@50c; Early Rose, 45@48c; Beauty of Hebron, 45@48c; Peerless, 42@45c; common varieties, 35@ 38c. At New York potatoes are slow and weak. Western New York, in sacks of 180 lbs., sell at \$1 62@3 12 per sack, and foreign at about same price. New Southern are being received, and sell at \$6@7

CLOVER SEED on Saturday advanced to 5 80 per bu. for prime, and some dealers were predicting higher figures this week. t may be they are right, but as the season s about over it is very risky business to lepend much upon the future. No. 2 is quoted at \$5 60. The Chicago market is quiet, with last sales at \$5 60 for prime, and \$5 30 for No. 2. Mammoth is quoted at \$5 824. A better trade was looked for this week. The Toledo market is entirely nominal, no business being done from first hands. At New York good to prime seed is quoted at 9@94c per lb. with fair demand.

per bbl. for prime, and \$3@4 for common

Ontons are quoted steady in this market, with a fair demand. Price range from \$1 @1 25 per bu., and \$3 25@3 75 per bbl On the street from farmers' wagons prices are 90c@\$1 00 per bu. The Chicago market is lower, and quotations there are \$4 75@5 00 per bbl. In the New York market yellow are quoted at \$4@5 per bbl. and red at \$3 50@5 50. New onions are being received from the Bermudas, and sell at \$2 25 per crate.

#### STATE FAIR, 1885.

Mr. J. C. Sterling, Secretary of the Michigan State Agricultural Society, notifies us that the twenty-seventh annual fair of the society will be held at Kalama-200, September 14, 15, 16, 17 and 18.

## The British Grain Trade.

The Mark Lane Express of yesterday ts review of the British grain trade, dur ng the past week, says:

"The weather favors vegetation, which is making rapid progress. The sales of English wheat during the past week were 55.924 quarters at 36s. 8d., against 52,875 quarters at 37s. 2d., during the corresponding week last year. The business done in foreign wheat has been of a retail charto act till war or peace is assured. With a decline after a sharp advance, Russian traders are anxious sellers. In the off coast market values are hardening. Ten cargoes arrived, six cargoes were sold, seven were withdrawn and two remained, both of California.

"English wheat was held for a full re-covery of the decline. Flour was steady at full values. Corn was scarce and 6d. @
1s. dearer. Barley was 6d. dearer. Oats,
8@6d. dearer; and beans 1s. dearer. Peas

#### Sheep and Wool Notes

MR. ARTHUR WOOD, of Salem, has lost his fine ram Rip Van Winkle 628, by Rip Van Winkle 334. At the State shearing of 1884 he cored more points than any sheep exhibited, and with a staple of 21/2 inches gave a fleece of Tuscola Co., the cow Lady Helen Mar, by 27 lbs. 6 ozs. He was as near a perfect sheep | Prince of Oakshade 20686, out of Lady Agatha, as was ever shown in this State.

In giving the pedigree of rams hereafter plain figures refer to the Michigan Register those enclosed in parentheses to the Vermont and those in brackets to the New York. Thus Geo. W. Stuart's L. P. Clark is 496 in the Michigan Register, (119) in the Vermont, and specimen of a Shorthorn cow. She has carried off five blue ribbons at State and County fairs,

MR. WILL M. CHAPMAN calls our attentio o an error which appeared in the report of the State shearing at Jackson. In the case of he Lusk ewe she had a staple 2% inches in ength, and her fleece was 2612 pounds, not 26 ounds 001/2 ounce. These are the figures as they appear on the fleece card given him at time of shearing.

MR. D. P. DEWEY, of Grand Blanc, reports at 361c; 10,000 lbs XX Ohio at 331c; 20,000 that his flock has sheared heavier this season than ever before, and the wool is in bette condition. Fifty ewes, all in his flock over two years old, sheared an average of 151/2 pounds Aside from those reported in the publi shearing at Grand Blane, ewe No. 202 G. F. M. cut 21 lbs. 10 oz.; No. 258, D. P. D., 20 lbs.; 11 two-year-old ewes averaged 16 lbs. 10 oz.

> MR. GEO. W. STUART, of Grand Blanc, wh has been feeding a party of pure bred Merino wethers to test the value of the breed as muton producers, has sold eight of them to the butcher. They were first shorn and gave very handsome fleeces averaging 17 lbs. 5 oz. After shearing their carcasses averaged 110% lbs.

Texas wool sold here this week mond's fleece was 44 lbs. 4 oz., and the sheep

previous year, and elipped 41 lbs. 3. oz., se here was only a year's growth of wool, while Hancock's was 380 days' growth.

THE Middlebury Register in its report of the

Vermont State Shearing, referring to the

fleece of the ram Burr 227, three years old,

which weighed 38 lbs. 13 oz, says this is the

pest authentic record. This is untrue, as the

record made by Diamond for three years is

perfectly authentic. He was sheared at two

State shearings, as a two year old and three

year old. His fleeces were 41 lbs. 3 oz., and

number of breeders present from other States

at these shearings who can testify to the

correctness of these figures, among others

Mr. E. Townsend and Mr. P. Martin, of New

noted the purchase by Mr. T. A. Rixby,

ram and ten imported ewes. The Sentinel of

South Haven was formerly noted for large

Stock Notes.

THE recent sales of Holsteins and Jersey

have not been up to expectations, a resul

probably of the hard winter, low price of farm

roducts, and general stagnation of all kinds

f business. The Polled Angus and Hereford

In a private note from Mr. Fred Curtis, o

Wm. Curtis & Sons, of Addison, Hillsdale Co.

referring to their herd of Shorthorns he say

that they are doing finely, and that their

young bulls are an extra nice lot. They have

ne of the largest and straightest bred herd

PLEURO-PNEUMONIA has broken out in seve

l counties in Missouri with great virulence

Gov. Marmaduke is acting promptly, but ther

is no statute giving him any authority to take

steps for its suppression, and he has to rely upon the good will of outsiders for pecuniary

ssistance. Let our Legislature take warning

from the result in Missouri, and give the cattle

nterests such legislation as will protect then

from such insidious enemies as pleuro-pneu

MESSRS. FOSTER & PEARSALL, of Flin

Mich., have sold to Mr. Frank Plumb, of Eas

the man who bred Lord Wilton, by Auctionee

W Horace 2d, by the celebrated Horace, sir

Achlum, calved March 7, 1884; sire Gortscha-

MR. EDWIN PHELPS, of Pontiac, reports the

To Augustus Miller, of Higbee, Randolph County, Mo., the bull Commodore, calved Nov. 23rd, 1883, sire Waxwork 6320, dam 7th

MR. W. C. WIXOM, of Wixom, Oakland Co.

has sold to Mr. Thos. Mitchell of Caro

Day, by Armitage (1655). Also the helfer

Lady Helen Mar by Prince of Oakshade 20686.

The latter is one of Mr. Wizom's prize ani-

mals. She is a deep red in color, very com-

and will probably do so again if she has a

chance. As a two-year-old we thought her

among the most perfect exhibited that year,

Her mother, Lady Helen Mar, has been one

of the finest breeding cows in this herd, and

we only wonder Mr. Mitchell induced their

owner to part with them. Mr. Wixon also

reports the sale to Mr. H. G. Holt of Ada.

Kent Co., of the yearling Rose of Sharon bull

Rose of Wixom by Duke Dunmore 32248, run-

NEWS SUMMARY.

Michigan.

One hundred and fifty blossoms grace a eac

Twenty days closed out a Howell business enterprise, the "tea store."

A little island in a lake near Howell has been

turned into a chicken farm, as it don't cost a

The new Goguac medical institute at Battle Creek, which was to have been opened in May, was burned last week.

Various local papers throughout the State advise farmers to let the agents of the "Farmers' Wholesale Grocers" alone.

tus owned by a Lapeer lady.

cent to fence it.

Chebovgap.

Abdallah, by Kirklevington Lad 2d, out of 1st

pact, straight in her lines, and a hands

Helen E, by Airdrie Duke 34340, out of

Tallmadge, of Marlette, Mich.

of Herefords:

the best bred in the State. Price, \$700.

monia and Texas cattle fever.

have also been struck pretty hard.

n Michigan.

York.

Rural Blackman, farmer, living near Hill's corners, eight miles from Buchanan committed suicide on the 22nd by hanging herself in his An immense new dry kilu has been added to the pail and tub works at Newaygo, which are now turning out 900 pails and 500 tubs

Flint Globe: O. W. Parsell has just sold the handsome Clydesdale stallion, Lord of the Tower, to Mr. Olney, of Shiawassee County, for

An Eaton County maple tree which was not inscouraged by competition with glucose and prown sugar, gave 84 quarts of sap in one day John Phillips, of Ionia, in a drunken sleep of the track of the D., L. & N. road was struck be the engine and instantly killed, on the night of the 25th.

Mrs. Phillip Dexter, of South Bay City, dropped a pin in her left ear last week, and the physicians are unable to find it. The outcome may be serious.

August Strackbein, of this city, while at tempting to board a moving freight train was drawn under the wheels and instantly be headed. He was 17 years old. It will be remembered that we recently South Haven, from Messrs. Walker & Sons, o

John Derby, farmer, was attacked by rough at Cadillac on the 23d, and badly injured b blows from an ax which broke his shoulde blade and cut his head terribly. Walkerville, Ont., of an imported Shropshire Henry Stark, living near Springport, died disease of the mouth which is believed

"Wednesday last one of the imported Shropshire ewes of T. A. Bixby presented him with four lambs, the first case of the kind any of our sheep breeders ever heard of. The weight of the four within an hour after birth was 28 pounds. There was no April fool about that ewe. Another Shropshire the same evening gave him a pair of twins weighing 20½ pounds. Within the past two weeks Mr. Bixby had 32 lambs from 25 grade Merino ewes, all living but one twin lamb, and a still further report is expected from the balance of his flock." have been induced by excessive smoking. tongue swelled until it caused his death. Ionia Sentinel: Hon. Alonzo Sessions has returned from Indiana, where he purchased six thoroughbred Cleveland Bay mages, four for hisself and two for Amasa Sessions.

At Ida Kasher Homer, aged 84 years, while at empting to cross the track in front of a moving train was struck by the engine and received such injuries that it is believed he cannot re-About 100 farmers and their wives atten-

peach crops, but it seems as if the lamb crop the shearing of the Northwestern Association held at the residence of Nelson Brewer, Gaine Township, Kent County, and had a "splendic was going to throw the peach trees into the shade. Those Shrorshires are about the highest bred ones ever brought into this State, and we are pleased to hear of them doing so well.

An attempt was made in this city last wee to derail a passenger train on the L. S. & M. road, which resulted in damage to the loco motive. The attempt was made in broad daylight.

The Ypsilanti Paper Company furnishes to Chicago Times 150 tons of paper a month, 1,800 tons a year. At five cents a pound, t yearly paper bill of the Times would amount \$180,000.

Portland Observer: George W. Pierce, of Orange, has a cow which gave birth to a calf on the 28th of March, which, when 24 hours old, weighed 115 pounds, and it was no blooded stock either.

It is thought that the Lewis Art Gallery, be queathed by the late H. C. Lewis, of Coldwater to the University, will be removed there soon owing to the heavy expense of opening and maintaining it. An Allegan County man who "fit into the war," owns the first greenback legal tende issued by the government, marked "Series A No. 1." He received it as part of his pay, and treasures it carefully.

Mr. and Mrs. Peter Lerich, of Utica, Macom County, ploneers of the county, and who no reside on the farm they obtained under government patent, celebrated their golden wed rnment patent, celebrate ing day on the 18th ult.

Mrs. Andreas Costus, living in Williams township, Bay County, while milking was kicked by the cow in such a manner that death ensued very soon after, as she was dead when found. This is a warning to women not to milk. Chas. Hamblett, of Battle Creek, brakem

on the G. T. road, was getting out of the caboose on his train through the cupola window when his head came in contact with a water tank pipe, and he was knocked off the carinto a creek and was found dead. Saginaw, a pair of Hereford calves. Bull Wilton Horace, sired by Prince Charlie, by Lord Wilton; dam, Dora, bred by Wm. Tudge A new feature introduced at the Grand

A new feature introduced at the Grand Blanc shearing, held at Mr. J. H. Thompson farm on the 23rd, was the exhibition of number of thoroughbred wethers, whice showed a very excellent quality of wool, bot as to fineness and length of fiber. of The Grove 3d. The heifer, Marie, is sired by Priam, he by The Grove 3d; dam, by Horatous, by Horace. These two calves are two A young orphan girl who was adopted by a Bay City family became so crazed over the roller skating business that she ran away from her home because she was forbidden to go to the rink. An officer followed and took her home, and she will be given another chance.

To Kensen & Clark, of Larned, Kansas, the bulls Banner, calved April 18, 1884, by Major Whitehead 10763; dam Mareta 13748; and Wax work 2d, calved Nov. 9, 1883, by Waxwork dam Cora 7th 6316. Also 15 high grade Here-feed bulls. Coldwater Republican: Elmer Green, of this city, is building a rink at Burr Oak, and started a sensation at once by inducing a re-spectable girl to elops with him. He is mar-ried. They were about to start for the East, when an officer induced them to return to ford bulls.

To Hubbell & Toles, of Avon, Oakland Co.
the bull Burley, calved May 1st, 1884, by Majoi
Whitehead 10763; dam Jessica 18744. Mr. Phelps has also rold the Friesian bul

Flint Globe: Mr. G. W. Stuart, of Grand koff 1292 H. H. B., 330 D. F. H. B., to Fred E. Blanc, has seld eight head of thoroughbred American Merino fat wethers to E. A. Russell, to be shipped to Bay City for the shambles. Their age was from three to five years, and their average weight was 110% pounds each, after being shorn. Average weight of fleece 17 pounds and five ounces, just one year's growth.

A farmer named Murray has been missing from his home in Bridgeport, Saginaw County. since January 6th. On the 26th the mystery attending his disappearance was cleared up by the finding of his body in the Cass River near his home. He was known to have been intoxicated, and it is supposed drove off the embankment into the river.

Nov. 23rd, 1883, sire Waxwork 6320, dam 7th Michigan Rose 1212.

To Henry Haines, of Bloomfield, Oakland County, the bull Harry, calved Feb. 5th, 1884; stre, Duke 4318; dam, Rosemary 4325; and the heifer Rose's Emma, calved Aug 1st, 1883; Daisy, calved Dec. 24th, 1882; stre Waxwork; dam, Lady Gay 6370; Carrie E., calved Dec. 22d, 1883, by Waxwork; dam 7th Mt.higan Rose 1212, and Celia calved Dec. 21, 1833, by Waxwork; dam Roseline 6319.

To H. W. Dancy, of Jackson, for parties west, the bull Major Whitehead, calved Nov.12, 1882, by Waxwork; dam, Lady of the Lake 6339. Cody & Moore, lumbermen, of Lake City, last winter extended their railway some distance over the water, laying the track on the logs piled up on the ice. Warm weather caused the ice to break up, displaced the track and dropped one of their heavy logging engines into 12 feet of water 150 feet from shore. It Saginaw Herald: While Edward McCormick

saginaw nearly which advand accordingly, engineer, was waiting for an over due train, preparatory to taking his engine out, he sat down on a pile of logs near a cut leading to a mill. Some boys at play above started the logs to roll, one of which rolled upon McCormick, carrying him down into the cut. He was almost drowned and had his left thigh broken. by Duke of Sciota 9949, running to imp. Lady Wm. Baker, of Clyde, attempted to alight from a moving train at Highland, Oakland County, on the 26th, and was so injured that he died. After it was found he had jumped from the train, it was backed slowly down to the station, and Baker, who was conscious when discovered, said he was not so badly hurt till he was struck again by the backing train. The train does not stop at Highland.

Wm. Quackenbush, of Grand Rapids, while stealing a ride on a freight train fell off near Michigan City, and his leg was cut off. Phy-sicians called are alleged to have declined to attend the case, claiming that it was the duty of attend the case, claiming that it was the duty of the railroad company's physician. That indi-vidual, when called, refused his services be-cause the man was hurt while stealing a ride! When a doctor was summoned who did not insist on a fee in advance, the poor man had lost so much blood that he was beyond help, and soon after died.

ning to imp. Rose of Sharon by Belvedere The roof of Hubbard & Wager's hardware store at Flint fell on the 23rd, carrying the floors below to the ground, leaving the walls standing. This was the half of what is known as the Fenton Block. Powell, boots and shoes, and Johann two leaving the standing the sta and Johnson, jeweler, were involved in the disaster. Fortunately, no one was hurt, which is the more remarkable since the building has usually many inmates, both night and day, parts of the third story being used for sleeping rooms. The owners of the building had been notified that it was unsafe. A Casco man recently cut a whitewood tree which scaled 8,136 feet. John S. Jenness, old and esteemed resident of Ypsilanti, died last week.

The last victims to the "Buffalo Bill" craze The last victims to the "Buffalo Bill" craze, induced by reading dime novels and attending "Wild West" shows, are found at St. Clast, where three lade, hardly in their teens, secured a liberal supply of rubber boots and war utensula, on credit, and were just ready to embark on a life of thrilling adventure full of deal Indians, when the dealers who had not been paid sent in their bills and discovery followed. The proposed war of extermination on the redskins will be postponed till the lads recover the effects of private interviews with their irate papas.

General. Twenty inches of snow fell at Denver, last

A Charlotte man who likes to eat apples late in spring, packs his Northern Spys in sawdust, keeping them in fine condition. It is stated the Canadian troops sent forward to the northwest are suffering for want of food, and fear they must soon succumb. Precautions against cholers are being taker by scaport cities. Rags must be quarantined and boiled before being accepted. An East Saginaw firm have control of 60-000,000 feet of pine lumber, still standing on land tributary to the Au Gres River.

The editor of the Birmingham Eccentric declares spring vegetables are more acceptable in his sight than spring poetry. The oldest person living in the United State is believed to be Mrs. Mary Breneman, Lafayette, Ind., who was born in 1773.

Fourteen bodies have already been recovered from the river near Medicine Lodge, Ks., the result of the waterspout in the river at that

Charles B. Schultz, an electrician, was killed at Chicago, last week, by having an electric current pass through him while adusting a lamp.

Officer Wm. Conroy, of the New York police, who brutally murdered an inoffensive stranger named Keenan, has been sentenced to imprisonment for life.

Miss Phœbe Vanderbilt, only surviving sister of the late Commodore Vanderbilt, died lat week, aged 76. Her life had been one of retige-

The first shipment of the new crop of Oregon wool was received at Portland on the 21st. The quality is excellent and the crop largefully 11,000,000 pounds.

A skirmish between Canadian troops and the half-breed forces occurred at Fish Creek on Friday, in which eight Canadians were killed. The rebei loss is not known.

An olleloth factory at Albany, N. Y., burned last week. While seven fremen were on lad-ders leaning egainst the wall, the wall fell. None however were badly hurt.

Twenty large iron ships are in port at Portland, Oregon, to load wheat for Europe, but are slow to charter, preferring to wait further developments in the Anglo-Russian difficulty. Rev. Leonard Withington, the oldest Congregational minister in the United States, died last week at Newburyport, Mass., aged 96. He was the oldest surviving graduate of

The boot factory of Bridges & Co., at South Framingham, Mass., was burned on the 24th, and 500 men are out of emplyyment in consequence. Three thousand cases of boots were burned.

Through carelessness in pumping cold water into a hot boiler, an explosion occurred at Knapp's Creek, N. Y., on the 24th, which killed George Cripps, injured two other men, and killed a span of horses.

A party of Danes arrived at Portland, Me., on the steamer Dominion last week, on their way to the west. They are the advance guard of a Danish project to take up a large tract of land in the west and found a colony.

A fire occurred at Vicksburg, Miss., last week, by which \$250,000 worth of property was destroyed. Twelve persons are missing, two whites and ten colored men, and it is feared they were caught by the flames. At Colon, Aizpuru has issued a pronuncia-

mento against the Americans. Their pickets have been fired on. One hundred marines have been ordered to reinforce Col. Heywood's detachment. Refugees are leaving the city.

Railroad laborers to the number of 500 or 600 are at Michipleoten, waiting a chance to get away, with the opening of navigation. Whisky sold at \$20 per gallon, owing to the great demand, but most of the men are very destitute.

Reports of a massacre of Canadian forces at Fort Pitt agitated the Dominion early last week. Later the news came of a skirmish which had been exaggerated into a big fight. The affray was between scouts, and nobody was hurt.

Louise 'Schnell, a young German girl, com-mitted suicide by drowning herself in a cistern, at Cincinnation the 24th, because her relatives wanted her to marry a young man she did not love, and also intercepted letters from her lover n Germany. Eleven miners were killed by a snowslide at

the Homestake mine on Homestake Mountain, Colo., on the 28th. The avalanche fell on the cabin of the miners, crushing it into atoms. The snow is so soft the bodies cannot be recovered at present. Police made a raid on a couple of pawn-broking establishments at Baltimore last week, and recovered a large amount of property which had been stolen from residents of the city; \$1,400 worth of jewelry belonging to one

erson being found. Indians in Montana are reported to be un-easy and restless. Emissaries from Riel are among them inciting the warriors to cross the frontier and engage in the war in the Domin-ion. One hundred and fifty are reported to have already started for Reil's camp.

The first comptroller of the treasury has decided that the commissioner of agriculture has full power to suppress pleuro-pneumonis, even to the extent of ordering the slaughter of infected animals, so long as he does not exceed the congressional appropriation. Lieut. Wm. H. Scheutz, U. S. N., who has

been selected to convey the U S. government's presents to natives of the Lena delta who assisted the Jeannette expedition, will purchase \$3,000 worth of goods as presents. It will cost him \$3,500 to go and return from Siberia. The Chicago police have arrested Otto Funk for placing dynamite near the versity buildings. He has confe

phacing dynamine near the Chicago Uni-risty buildings. He has confessed that he atemplated blowing up his sweetheart, Jen-Gibson, by exploding the mine, which was ectly under her path to her class at the university. Refugees from the

Letugees from the northwest relate horrible stories of the atrocities of Indians at Frog Lake. Two priests were beaten to death and their bodies burned. After burning the town the Indians compelled the people to attend church, and after services shot ten of the helpless victims.

About ten million dollars worth of morigages owned in the city of Rochester, N. Y., which have hitherto paid no taxes, are to be assessed this year. The holders are not particularly pleased at being obliged to pay up, but the taxpayers say it is pretty good enough. All American troops have been withdrawn from Panama, and the town is in the hands of the rebels. It is expected a battle will follow the arrival of the Colombian troops expected on Sunday. The people are helpless, and consider the withdrawal of the American troops as a practical abandonment.

The State Board of Charities of New York will have tents provided for the temporary shelter of 200 patients at the Binghampton asylum for the insane. This is because of the the crowded condiction of the asylum, and in order to secure better curative agents in the treatment of certain cases.

Postmaster Bailey, of Camden, N. J., has been dismissed because he purchased two planos and \$1,000 worth of merchandise, pay-ing for them tu postage stamps. This was done to increase his apparent sales of stamps and so augment his salary. The President does not regard this as good policy.

The coroner's jury in the fallen tenements case at New York last week held Charles Buddensiek, the owner; Franck the master mason, and Building Inspectors Dailey and Machey responsible for laborer Walter's death, and recommends the severest punishment for Buddensiek, who has fied.

Dr. Paaren, State Veterinarian, visited Peoria, Ill. last week, and found several Jersey cattle on the Bailey farm sick with pleuropneumonia. All the cases had originated in a single barn. All the animals in that barn were killed as a matter of precaution. They were 10 in number and quite valuable. Barclay Johnson, a young man of good attainments and brilliant promise living at Greenwich, Conn., while walking with his mother and sister, suddenly attacked them, killing both. He then shot himself. Mental strain had resulted in insanity. He left a letter saying he had a suspicion he was becoming insane.

At Chicago boys make toy rubber balloons. They dip them into sulphate of copper and some coloring matter. After the boys have worked at this business for a few weeks, they become paralyzed at the hands and lower extremities, owing to the funding the funes of the poisonous figuid, and the board of health has stopped the business.

At Topeka, Ks., a waterspout burst in the vicinity of the Ninnesach river, which rose five feet in haif an hour, and in a very short time the whole of one of the main streets was under water, while houses were torn from their foundations and borne down the river, their commands arranging for help. Ten their occupants screaming for help. Ten

The National Association of fruit growers met at Chicago last week. After the usual election of officers the subject of prices for the current year was taken up. Then there was trouble. Some favored retaining the old schedule and others demanded an advance. Finally a compromise was arrived at by breaking up the association, and the delegates left the city.

Captain Couch, whe visited Washington in the interest of the Oklahoma boomers, re-turned to Arkansas City last week, and advised the "boomers" to disperse, telling them that the President had promised to drive the cat-tlemen out of the territory, and to see that negotiations were opened with the Indians for

Immense damage and Texas. Thirteen included from the Statinst., and southwest Kansas is pretty well submerged. The Laberiver, usually a small stream, was transformint of a torrent three-quarters of a mile wind of the stream, was transformed. A large quantity of stock in railroad yards at Parsons, Ks., was drown At Gainesville, Texas, several small creates the town were swollen to the size rivers, and overflowing their banks during night, washed down many houses. Many if are reported lost. People took refuge in trees, clinging to the branches all night, when rescued were almost dead. The floother most dispatrousever known in those Stath and the state of the sta ing waters. A landslide blocked ing waters. A landslide blocked our Pacific and caused the destruction in loaded with cattle. A passenger transparent on a piece of road, bridges becaught on a being washed away.

The anniversary of the birth of Shakespe was celebrated with much ceremony at Sta ford-on-Avon on the 23rd.

The French Cousul at Cairo has deman his passports, on account of the action of Egyptian Government in regard to the Regulation matter.

The English parliament has been asked a credit of \$55,000,000, and voted it prompt about \$22,600,000 will go to settle matters the Soudan, the rest "elsewhere." The volcano of Simerau, on the Island The volcatio of Singrau, on the Island Java, is in active eruption, and one entire trict adjacent has been devastated. A la coffee plantation has been destroyed.

The Austrian government last week set an entire edition of the Fremdenblatt and fother papers, for printing a manifesto cicing the policy of the present ministry.

It is reported at Dongola that the rival M dis have met in battle and that the original was defeated, losing two governed Obeld, it is also reported, has been pl A menagerie was burned lately at Roub rance, and the people became furious of the neglect of the police and compelled seve of the policemen to eat portions of the burned

The officers soon became ill to An explosion of dynamite in the admir-fice at Whitehall, London, occurred on Srd. Mr. Swainson, principal clerk, was nred. The room was wrecked. Mr. Swains nred. The room was wrecked. Mr. Swains

jured. The room was wreeked. Mr. Swain who was in the room where the explosion curred, thinks the explosive was thrown through the window. through the window.

War between England and Russia app almost inevitable. The more England conce the more Russia demands. English reside are leaving Odessa and St. Petersburg. thought the only condition on which peace be assured, is that England shall acknowle the complete neutrality of Afghanistan, the extinction of English influence in Ameer's country. The Russian bear evide wants to fight, and has only been waiting teeth and claws well sharpened be growling full-throated defiance to the Eng

NEW ADVERTISEMENTS.

BREEDERS'

# **COMBINATION SAL** National Park, Kalamazoo, M

May 13th and 14th, 18

The HEAD of standard and high-bred try stallions, brood mares in foal, fillies trotting goldings with and without record cluding sev. ral first and second premium and the World's Fair at New Orleans, La., this This is the first breeders' sale ever held in State; the stock to be offered is first class, are equal of any ever offered at public vender. The subscribers intend holding aff annual hereafter and with this in view offer non animals of merit; the list embraces represitives of twenty-five trotting-bred stallion among them many of the leading stallion America.

America.
Catalogues will be ready by April 15th.
Will all be at National Park, Kalamazoo, by
lat, a portion of it by April st, where it can S. A. BROWNE & CO.

Kalamazoo Stock Farm WALTER CLARK, Rattle Creek.



PEKIN DUCKS.

were introduced from Pekin, China, and largest known breed of ducks; are very has prolific of feathers, not inclined to ramb great egg producers; will weigh at matu pounds per pair; their plumage is of a brinch, creamy white. I have the largest as strain in Michigan. Eggs, 31 50 per settl Brown Leghorns are a medium sized very heantiful appearance; the young pull Brown Leghorns are a medium sized very beautiful appearance; the young pull-mence laying when only three or four mon They are very hardy and are understand the producers through the greatest egg producers known breed, and for this reason alone rofitable fowl to raise. Eggs \$1 per DELOS STAPLES,

West Sebewa, Ionia Co., EGGS FOR HATCH

For varieties see the Breeders' Directhis paper. Send for Circular describings. Guaranteed to be as represented 20 for 13, \$3 for 23; Bronze Turkeys \$3 for 23; Teloues Geese forty cents each moth Bronze Furkeys a specialty. Add mri7-8t W. W. McDOWELL, Howe WYANDOTTES.

I have some fine specimens of this bre which I will sell settings of 13 eggs for the settings of 13 eggs; Thirty hens, in December, gave me 24 January 361 eggs; February, 372 eggs; Meggs; a total of 109 dozen. Address C. C. NELI CASSOPOLIS, DIMON CREEPERS

In this new breed of fowls are combined or the desirable qualities than in any other yet tant. They are the "Ne plus ultra" of mestic fowls. Eggs can be obtained originator for \$3 per sitting. Orders now and booked as received. Alt inquibe promptly answered Address in 1920 JOHN DIMON, Walkery ECCS FOR HATCHI

Pure bred Light Brahmas, Plymout Langshans and Brown Leghorns; Roue kin Ducks \$2 for 13, \$3 for 26; Bronze as for 12, \$5 for 24; Toulouse Geese ee ch. Bronze turkeys and Light is specialty. Orders with the cash boot filled now in retation or when wanted.

MRY 18 LOUIS MEYER, Brighton

MILFORD FANCIE reed high-class Light Brahmas, Whit-angshans, Plymouth Rocks, Brown a seghorns; also Pekin Ducks. Rggs for il 50 per citting of 13. Order soon as Waranteed. Address N.A. CLA Millord

High-Class Poultry & Small Frui

Plymouth Rocks, White-faced Black White and Brown Leghorns. Eggs \$1 LEWIS C. STA mr31-4t West Sebewa, Ionia Co mr31-4t EGGS FOR HATCHIN

Pure-bred Brown Leghorns, Plymon and Light Brahms eggs at \$1.25 per set settings \$3.

Sutton P O, Lennwee

Foreign.

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NEW ADVERTISEMENTS.

BREEDERS'

COMBINATION SALE

TO BE HELD AT

May 13th and 14th, 1885.

S. A. BROWNE & CO.,

WALTER CLARK,

PEKIN DUCKS.

mr17-8t W. W. McDOWELL, Howell, Mich.

WYANDOTTES.

I have some fine specimens of this breed from which I will sell settings of 13 eggs for \$150. Here is a record of my fowls the past winter: Thirty hers, in December, gave me 242 eggs; in January 361 eggs; February, 372 eggs; March, 333

DIMON CREEPERS.

ECCS FOR HATCHING.

Pure bred Light Brahmas, Plymouth Rocks, Langahans and Brown Leghorns; Rouen and Pe-kin Ducks \$2 for 13, \$3 for 26; Bronze Turkeys 3 for 12, \$5 for 24; Toulouse Geese eggs 40 cts. e.c. bronze turkeys and Light Brahmas a specialty. Orders with the cash booked to be filled now in rotation or when wanted. Address mr24 8t LOUIS MEYER, Brighton, Mich.

MILFORD FANCIERS

breed high-class Light Brahmas, White Cochins, Langshans, Plymouth Rocks, Brown and White Leghorns; also Pekin Ducks. Eggs for hatching \$150 per sitting of 18. Order soon; satisfaction guaranteed. Address mr31. Milford, Mich.

High-Class Poultry & Small Fruit Plants

cotal of 109 dozen. Address
C. C. NELSON,
CASSOPOLIS, MICH.

Battle Creek,

A. H. WILLARD,

Kalamazoo Stock Farm,

Pine Hill Stock Farm, Mich.

M. L. RICE

Proprietor of the Utica Poultry Yards, Utica, Mich Breeder of thoronghbred high-class poultry.

Eggs for hatching. Send for de-

ing. Send for descriptive c realar and price list.

Michigan Breeders

CATTLE. Shorthorns.

A CHANDLER, breeder of Shorthorn cat tle, Shropshire sheep and Essex swine. Stock for sale, Correspondence solicited. Jerome

A D. DeGARMO, Highland, Oakland Co. breeder of Shortnorn Cattle. Young stock or sale at reasonable prices.

A E. ANDREWS, Maple Valley Stock Farm.
Williamston, Ingham Co., breeder of thoroughbred Shorthorns of good families. Also agent for the Celebrated Champion Creamer.

A P. COOK, Brooklyn, Jackson Co., breede A of Shorthorn Cattle. Good families represented. Bull Major Craggs at head of herd Choice young bulls for sale.

CHARLES F. MOORE, breeder of pure bre Shorthorn cattle, St. Clair, Mich. Stock fo Sale. Correspondence promptly attended to.

CHARLES FISHBECK, Lakeside Stoc Farm, Howell, Livingston Co. Breeder of Shorthorns. Herd headed by Bates bull Barone Belle Bates 47411, Belle Duchess, Cambria's Vic toria, Stapleton Lass, Selinas and Bright Eye families. Young stock for sale.

C. S. BROOKS, Brighton, Mich., breeder o. Registered Shorthorns of leading families-Fomonas, Floras, etc. Also American Mering Sheep and Poland China Swine. Young stock for

Bale. aplor

Days Breeder of thoroughbred Shorthorns. Stock for sale. Correspondence solicited. Improved farm of 300 acres, with good buildings for sale postoffice address Riley, Clinton Co. n27-1y4

licited. jny20-13

P. KELSEY, Clay Ridge, Ionia, Ionia Co., breeder of thoroughbred Shorthorns. Principal families Young Mary, Phyllis, Gwynne and Pansy. Also recorded Berkshires and Poland Chinas. Correspondence solicited.

P. S. BURNETT, Braucroft, Shiawassee Co breeder of Shorthorn cattle of the Irena, Vic orla and Strawberry families. Stock for sale.

R A. BRADEN, Bancroft, Shiawassee Co. brneder of thoroughbred Shorthorns. Goo families represented, with Lord Raspberry 2d a head of herd. Stock for sale.

PRANK E. IVES, Hickory Ridge Stoc Farm, Unad lla, Livingston Co., breeder of thoroughbred Shorthorns of good families. Stoc for sale. Correspond nee invited.

EORGE W. STUART, Grand Blanc, Gene J see Co., breeder of thoroughbred Shorthorn Cattle, Registered Merino Sheep, and Jersey Red Swine. Correspondence solicited 1317-17

HENRY LESSITER, Oakdale Stock Farm breeder of thoroughbred Shorthorns. Stock

H. HINDS, Stanton, Montcalm Co., breed, er of Shorthorn Cattle and American Merin

.1885

f the New York police, in inoffensive stranger en sentenced to imt, only surviving sister Vanderbilt, died last had been one of retine-

the new crop of Ore-Portland on the 21st, and the crop large—

anadian troops and the ed at Fish Creek on anadians were killed. wn. lbany, N. Y., burn firemen were on lad-wall, the wall fell. s are in port at Port-ceat for Europe, but rring to wait further lo-Russian difficulty.

ton, the oldest Con-the United States, iryport, Mass., aged surviving graduate of dges & Co., at South burned on the 24th, emplyyment in con-nd cases of boots were

in pumping cold n explosion occurred , on the 24th, which ared two other men, red at Portland, Me. last week, on their re the advance guard te up a large tract of ed a colony.

cksburg, Miss., last 0 worth of property persons are missing, ored men, and it is by the flames.

s issued a pronuncia-icans. Their pickets he hundred marines force Col. Heywood's are leaving the city. enumber of 500 or 600 iting a chance to get f navigation. Whisky ring to the great deen are very destitute. of Canadian forces at

og German girl, com-og herself in a cistern, because her relatives oung man she did not letters from her lover led by a snowslide at Iomestake Mountain, avalanche fell on the shing it into atoms. odies cannot be re-

a couple of pawn-Baltimore last week, mount of property om residents of the lry belonging to one

reported to be un-saries from Riel are warriors to cross the e war in the Domin-ifty are reported to tell's camp. the treasury has de-er of agriculture has pleuro-pneumonia, ering the slaughter g as he does not ex-propriation.

t, U. S. N., who has e U S. government's Lena delta who as-dition, will purchase resents. It will cost in from Siberia. arrested Otto Funk r the Chicago Uniconfessed that he he mine, which was to her class at the

west relate horrible
of Indians at Frog
leaten to death and
r burning the town
e people to attend
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a battle will follow
an troops expected
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ities of New York for the temporary the Binghampton is is because of the the asylum, and in tive agents in the

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narian, visited Pe-ind several Jersey sick with pleuro-and originated in a in that barn were tion. They were 10 le.

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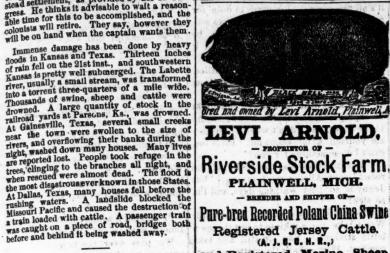
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of fruit growers
After the usual
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Washington in boomers, re-week, and advised telling them that to drive the cat-

the purpose of securing the land for home-stead settlement, as provided by act of Con-gress. He thinks it advisable to wait a reason-able time for this to be accomplished, and the colonists will retire. They say, however they will be on hand when the captain wants them.

NEW ADVERTISEMENTS.



LEVI ARNOLD.

Riverside Stock Farm. PLAINWELL, MICH. - BREEDER AND SHIPPER OF-

Pure-bred Recorded Poland China Swine Registered Jersey Cattle. and Registered Merino Sheep

Poland Chinas still a specialty. Herd establish ed in 1869. Is once and one-half the largest herd recorded in the Ohio Poland China Record; there being only one other herd that has half so many recorded animals. Riverside herd is em being only one other herd that has half so many recorded animals. Riverside herd is emphatically a herd of prize winners, Stock all dara in color and faultiess in style, consisting entirely of the most noted families of the day. Eight grand stock boars head this herd, all of choicest breeding and highest individual merit, thus enabling me to breed each and every sow to just such a boar as is best adapted to her. Special rates by all Express Companies. Can supply stock in pairs, herds and car loads. Stock all recorded in pairs, herds and car loads. Stock all recorded in pairs, herds and car loads. Stock all recorded to holio P. C. Record, therefore they are all eligible to all the P. C. Records. Nearly one hundred elegant sows, all ages, safe in pig by best stock boars now on sale, besides a superior lot of boars ready for service. Special reduction in price of all boars beginning January 15, 1885, to la-t thirty days. A superior lot of pigs fall of 1884 also on sale at great bargain. This herd has no superior for elegant style, symmetrical forms and combined color, constitution, size, early fattening qualities. the Soudan, the rest ensewhere."

The volcano of Simerau, on the Island of Java, is in active eruption, and one entire district adjacent has been devastated. A large coffee plantation has been destroyed. color, constitution, size, early fattening quanties, and fine finish.

A choice lot of young, solid-colored A. J. C. C. E. R. Bulls for sale cheap. Rich in the blood of Alphea, Rioter 2d, and other noted strains. For prices and particulars address as above. All correspondence promptly answered.

Correspondents please mention this paper.

HOLSTEINS.

OR DUTCH-FRIESIANS. At Living Rates!

An explosion of dynamite in the admiralty affice at Whitehall, London, occurred on the \$3rd. Mr. Swainson, principal clerk, was injured. The room was wrecked. Mr. Swainson, who was in the room where the explosion occurred, thinks the explosive was thrown in through the window. A fine selection comprising about 100 head of registered stock of my own breeding, and from my importations of 1882 and 1883. A specialty of young pairs not related for foundation stock. Calves of all ages. A fine lot of yearling heifers just coming two, and two-year-olds just coming three due to calve in May and June, bred to my prize imported service bulls "Jonge Carre" and "Prince Midlum" who have no superiors. Prices reasonable. Write for prices and catalogue.

M. L. SWEET,

Breeder and Importer, Grand Rapids, Mich

ESSEX STOCK FARM Walkerville, Ont., Canada. HIRAM WALKER & SONS. Proprietors ROBERT PINCHIN, MANAGER.

Percheron Horses, Shorthorn and Polled Aberdeen Angus Cattle, Berkshire, Yorkshire and Suffolk Pigs National Park, Kalamazoo, Mich.

YOUNGSTOCK FORSALE Shorthorns For Sale

Bulls, Heifers, Calves and Cows. Choice mila ing strains. All Herd Book registered. Will be sold very reasonable at private sale.

B. J. BIDWELL,
Tepumseh. Mich.

HEAD of standard and high-bred trotting stallions, brood mares in foal, fillies, and totting geidings with and without records, including sev. rai first and second premiam animals at the World's Fair at New Orleans, La., this year. This is the first bree ders' sale ever held in this State; the stock to be offered is first class, and the equal of any ever offered at public vendue.

The subscribers intend holding an annual sale hereafter and with this in view offer none but animals of merit; the list embraces representatives of twenty-five trotting-bred stallions and among them many of the leading stallions in America.

Catalogues will be ready by April 15th. Stock will all be at National Park, Kalamazoo, by May let, a portion of it by April'st, where it can be seen.

S. A. BROWNE & CO., A. J. MURPHY. Breeder of Pare Bred Recorded POLAND CHINA SWINE, PLAINWELL OR SILVER CREEK, MICH. My herd is dark in color and bred from the most noted herds of Ohio and Michigan. Pigs sired by Arnold's Sambo, Black Tom, Hopeful, Marphy's W. S. and Dixie. Stock first class. Prices reset able. Special rates by express.

Shorthorn Bulls For Sale. I have three young Shorthorn bulls now fit for service; they were sired by 2d Kirklevington King, by King of the Roses 34254, from well and fashionably bred dams sired by 23d Duke of Air-drie 41330 and Vanquish Airdrie 24030. They are all reds and fine individuals and will be sold cheap.

FRANKLIN WELLS, m10;8t Constantine, St. Joseph Co., Mich.

Shorthorn Bulls For Sale. Sired by Proud Duke of Fairview 20730, and Lord Barrington Hillhurst 52431, out of Young Mary, Phyllis, Lady Elizabeth, Peri Duchess and Rose of Sharon cows. Also a few cows and heifers: Reliable catalogues always on hand for distribution.

WM. CURTIS & SONS, Addison, Lenawee Co., Mich.

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were introduced from Pekin, China, and are the largest known breed of ducks; are very hardy and prolific of feathers, not inclined to ramble, and great egg producers; will weigh at maturity 20 pounds per pair; their plumage is of a beautiful rich, creamy waite. I have the largest and best strain in Michigan. Eggs, \$1 50 per setting.

Brown Legnoras are a medium sized fowl of very beautiful appearance; the young pullets commence laying when only three or four months old. If they are very hardy and are unquestionably the greatest egg producers of any known breed, and for this reason alone are the most profitable fowl to raise. Eggs \$1 per sitting of 13.

DELOS STAPLES, and the state of t Shorthorn Bulls For Sale. Six young Shorthorn bulls, all fit for service, sired by Horatio, he by Gen. Custer 29618, dam Hela 3d by Rufus 18275, with one exception. They are red, red and white, and one roan. If applied for soon will be sold at very reasonable prices. All eligible to registry.

Address WM. T. JOHNSON, jan27eow13t

Shorthorn Bulls For Sale. EGGS FOR HATCHING I have four high-bred young Shorthorn bulls of extra individual merit, and fit for service, which I will sell at reasonable prices. Also a few good helfers. Address T. M. SOUTHWORTH, jny20tf Allen, Mich. For varieties see the Breeders' Directory in this paper. Send for Circular describing mat-ings. Guaranteed to be as represented. Eggs 22 for 13, \$3 for 26; Bronze Turkeys \$3 for 12, for 24; Tulouse Geese forty cents each. Mam moth Bronze Turkeys a specialty. Address

DUTCH-FRIESIAN,

Also called Holstein cattle. Some very fine bull calves for sale. Stock at Lapeer, near railroad station.

I. H. BUTTERFIELD, Jr., Port Huron, Mich.

High-Bred Shorthorn Bulls For Sale Parties desiring a first class bull will find it to their interest to look our stock over before buying elsewhere. They are of high individual merit and breeding. Prices low; terms easy. Address In this new breed of fowls are combined more desirable qualities than in any other variety extant. They are the "Ne plus ultra" of all domestic fowls. Eggs can be obtained from the originator for \$3 per sitting. Orders received now and booked as received. All inquiries will be promptly answered Address jay20 JOHN DIMON, Walkerville, Ont.

HIGH-BRED SHORTHORN BULLS For Sale.

All sired by Lord Kirklevington of Erie 44183, red and red and white in color, with pedigrees of dams tracing straight to the herds of well known English breeders. Term reasonable. Address C. F. MOORE, St. Clair, Mich.

**Greenwood Stock Farm** Poland-China Swine a Specialty.

Thave a prime lot of March and April pigs that will be ready for shipping as soon as weaned. Stock recorded in Ohio Polana-China Recora. Correspondence and inspection invited.

B. G. BUELL. Little Prairie Ronde, Cass Co., Mich

Plymouth Rocks, White-faced Black Spanish, White and Brown Leghorns. Eggs \$1 per 13.

IEWIS C. STAPLES, mr31-4t West Sebewa, Ionia Co., Mich.

Figs FOR HATCHING.

Pure-bred Brown Leghorns, Plymouth Rocks, White-faced Black Spanish, West Sebewa, Ionia Co., Mich.

Pure-bred Brown Leghorns, Plymouth Rocks, White-faced Black Spanish, West Sebewa, Ionia Co., Mich.

Pure-bred Brown Leghorns, Plymouth Rocks, White-faced Black Spanish, West Sebewa, Ionia Co., Mich.

Pure-bred Brown Leghorns, Plymouth Rocks, White-faced Black Spanish, H. B., 322 B. F. H. B., 1822 B. F. H. B., 322 B. F. H. B., 1823 B. F. H. B., 1823 B. F. H. B., 1823 B. F. H. B., 1824 B. H. B., 1824 B. H. B., 1825 B. F. H. B., 1824 B. H. B., 1825 B. F. H. B., 1825 B YKEMA, 214 F. H. B., 322 D. F. H. B.

NEW ADVERTISEMENTS.

1885. owosso BREEDING STABLES LOUIS NAPOLEON 207,

ire of Jerome Eddy, 2:1614; Spinella, 2:2614 Myrtie, 2:2714; Louis R., 2:2914, and ten others with trials in 2:21 to 2:38. Sesson, \$100. CEORGE MILO 1313, Brother of Jerome Eddy. Season, \$50 00.

FUROR 3026, By King Rene; dam by George Wilkes.

JO CAVIN 564. Sire of Cora Bell, 2:2914. Season, \$25. To insure \$35.00.

BONNIE WILKES 3261, By Bourbon Wilkes; dam by Alexander's Ab dallah. Season, \$25. To insure, \$35. Send for our Catalogue. DEWEY & STEWART, Owosso, Mich.

R. R. WILSON Farm, One Mile east of Wayne.

STALLIONS FOR 1885. CHANDLER,

Mahegany bay, black points, no mark; will be 1516 hands when matured; foaled May 23, 1881, sired by Louis Napoleon 207, by Voluateer 55, son of Hambletonian 10. Dam by Young Dictator, son of Dictator 118, son of Hambletonian 10; second dam by Columbus 95, son of Columbus 94 Terms, am by Columbus 95, son of Columbus 94 Terms, 20 to insure. 1 have added to my stallions a pure Percheron,

YOUNG PICADOR. No. 2776 in the Percheron Stud Book of France. Dark dappled gray: foaled in February 1879; 16% hands high; weight 1,600 lbs; sired by Picador, he by Old Picador, now owned by the French Government, and stands in the stud at Anglers, France. Dam, Juno, by Jago, he by Utopia, and he by Favori. Service, \$20; to insure, \$30; for a pair, \$15 by the season; \$10 single service.
Will be at A. Seamon's farm, one mile south of Dearborn, on Thursdays, other days at home. All secidents at owner's ri-k. Mares parted with before foaling will be held for service.

7-8t. WILSON.

THE MOST EXTENSIVE PURE BRED'LIVE TOCK M. UHL, Brookside Herd, Ypsilanti. Choice making qualities for sale. Correspondence solicited.



Clydesdale Horses, Percheron-Norman Horses, English Draft Horses, Trof-ting-Bred Hoadsters, Imported French Coachers, Cleveland Bays and Shetland Ponies. Holstein & Devon Cattle.

No further evidence is needed of the UNUSUAL CARE with which our stock has beer selected than the fact that HUNDREDS of animals imported and sold by us during a career of ten years. every one we believe, including all kinds and all breeds, is now alive and doing well, with the exception of only five. We feel safe in saying that no other establishment in America can approach such a showing for the length of time and the large number of animals.

No careful and judicious person will fall to well consider this important fact in making his purchases. We invite critical inspection of our stock and careful comparison with that of any other establishment. ther establishment.
PRICES LOW! TERMS EASY! Visitors welcome! Correspondence solicited! Circulars
ree! Mention Michigan Farmer. Address

POWELL BROS., 28tf Springboro, Crawford Co., Penn.

ISLAND HOME Stock Farm, Crosse lie, Wayne Co., Mich. SAVAGE & FARNUM, PROPRIETORS



Patrocle No. 2620 (1167).
—IMPORTED—

Percheron Horses. ISLAND HOME

Is beautifully situated at the head of Grosse Lee in the Detroit River, ten miles below the City, and is accessible by railroad and steamboat. Visitors not familiar with the location may call at city office, 52 Campau Building, and an escort will accompany them to the farm. Send for catalogue, free by mail, Address, Savage & Farmum, Detroit, Mich,



REED & BRAIDWOOD, ALMONT, MICH.

Importers and breeders of Percheron Horses. Have on hand a choice lot of stallions and mares of our own selection in France. Also a choice lot of grade stallions and mares. Imported stock registered in Stud Book of France. Parties in want of horses combining both individual merit and choice breeding should call and see our stock. Prices low; terms easy; particulars on application. Address as above. 18-6m L. C. DRAKE,

WESTON, - - MICH., BREEDER AND DEALER IN PERCHE ON HORSES.

Two beautiful stallions, imported Nomed and Bob Nagle in service. Good pasture at 50 cents per week.

TREMONT 1565,

Record, 2:28 1-2. Sired by Belmont, sire of Nutwood (record 2:18%) Ridgewood (record 3:19): dam, Virginia by Alex-ander's Abdallah, sire of Goldsmith Maid (record 2:14). For terms and catalogue address W. A. GIBSON, Jackson, Mich,

Dutch-Friesian Service Bull TWO CLYDESDALE STALLIONS FOR SALE.

DIRECTORY

W. M. BALL. Hamburg, Livingston Co., breed-or of Shorthorns. Principal families. Rose of Sharon, Young Mary; Young Phyllis and Cruik-shank. Also breeder of thoroughbred American Merinos of the best blood as well as the most thoroughly practical.

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Cheshires.



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China and Imported Berkshires.
True pedigree given with every
animal. Strong, healthy stock
only. Purity guaranteed. Sant
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incrip

SO LONG.

"But a week is so long!" he said, With a toes of his curly head, With a toss of his carry head,
One, two, three, four, five, six, seven!—
Seven whole days! Why, in six, you know
(You said it yourself—you told the so),
The great God up in heaven
Made all the earth and the seas and skies,

The trees and the birds and the butterfiles.

How can I wait for my seeds to grow?"

"But a month is so long!" he said, With a droop of his boyish head, Hear me count—one, two, three, four— Four whole weeks and three days more; Thirty-one days, and each will creep .
As the shadows crawl over yonder steep; Thirty-one nights, and I shall lie Watching the stars climb up the sky. can I wait till a month is o'er?

"But a year is so long!" he said, Uplifting his bright young head.

All the seasons must come and go Over the hills with footsteps slow-Antumn and Winter, Summer and Spring; Oh, for a bridge of gold to fling That I might cross to the other side, ere she is waiting-my love, my bride!" "Ten years may be long," he said.

Slow raising his stately head, But there's much to win, there is much t A man must labor, a man must choose, And he must be strong to wait! The years may be long, but who would we The crown of honor must do and dare.

No time has he to toy with fate " Ah! life is not long," he said. Bowing his grand white head.

One, two, three, four, five, six, seven— Seventy years! As swift their flight en gleams at even. How long. O God, is eternity?

A WOMAN'S REASON.

I am so changeful and so full of mood. I'm prond and humble, scornful, thoughtful, ligh A hundred times between the morn and night I cast you off-I try to draw you near, And all the time I know with joy, with fear, It is because-I love you

And now my hand clings closer to your breast The greatest change of all is this, that I, The used to be so cold, so fierce, so shy, In the sweet moment that I feel you near Forget to be ashamed and know no fear, orget that life is sad, and death is dream Because-I love you.



#### "FAINT HEART NE'ER WON FAIR LADY.

"A hat of last year's fashion!" "But her eyes were like gray stars."

"And her manner dreadfully quick and "My dear Richard, you are really ab

surd! The girl is a hospital nurse, and what woman with any refinement or delicacy would take up any such a profession as that? It shows she can't be nice." "Ladies do such things nowadays"-

less defiantly. "Now you know you are only saying

so because she is pretty. Of course ladies do queer things nowadays, but that doesn't excuse an unwomanly feeling. Besides she is only a solicitor's daughter I shan't ask mamma to call." "But don't you think common civility

the Rectory, and we are not forced to call on every one's friends. Besides Captain Hardwicke is expected home, and it would make it awkward. What would one of Lord Belmont's people say if we asked them to meet a girl like Miss Travers?" "All the same, she's as pretty and ladylike as any one I ever met in these parts.

"Very likely, but she is not in our set. Now. Richard, if you say any more, l shall begin to think that you are falling in love with her, if the idea is not too ab-

But Richard had closed the drawing room door upon his six sisters' languid sweet, so clever, so sympathetic, so voices and was half way across the wide lown with its brilliant parterres of summer flowers. Poor Richard Allerdvee only son of the richest banker in Chellowdean, people of good family, but with just that uncertainty of social the moonlit Rectory garden, he had alposition which made them afraid of most flung all prudence to the winds, she gratified at being on intimate terms with Lord Belmont and the Hardwickes, he but he reeled back from the gulf just in was of divided mind this summer after noon. He had been greatly taken by that sweet face and slight figure in the Rectory pew last Sunday; was sensible of a thrill of more than civil interest when he met their owner walking home with the good old rector after service, and was introduced to "Miss Travers," while the "eyes her. For Captain Hardwicke was still at like grey stars" were suddenly raised to the "White Hart," and perhaps his preshis; and he had ever since spent a larger ence, and the atmosphere of exalted socieful in walking past the Rectory's rose- restraining though unconscious influcovered garden gate. But on the other ences. Now, as he slowly worked his way side, his sisters' words had certainly struck up the steepest hill in the neighborhood

on his new tricycle, he was pondering the ought up, as all the Allerdyces were old question in his mind. Could he take like hot-house plants, sheltered from every breath of frosty air, it was not strange that Richard at five-and twenty, ough a big, burly enough young men to look at, was but little of a man in heart or mind. Knowledge of the world had been carefully kept from him, as from bus sisters, lest they should learn evil; but their very ignorance had cost them the loss of power to choose be-tween evil and good and had given them weak prejudices and conceited opinion ativeness, instead of minds able to discern

and prefer the right. Richard's handsome face was overcas as he swung out of the lodge gate and down the road. Miss Travers a hospital nume! certainly it was a shock. Not only did it seem to him unwomanly for woman to work at all, but infinitely more so to do menial work. And then the awful thought of what his mother and sisters would say, were they asked to receive ital nurse as his future wife! For it had gone as far as that in Richard's suss mind, even in these three short

as Miss Travers herself, sweet and bright as ever, in her black dress, came out from the Rectory gate, the Rectory mastiff pacing behind her.

Now Richard's own collie was at hi heels and there was a bitter feud of long standing between those two faithful fol-There was one angry growl, a neavy rush, a thud, and then a brown body and a black rolled together in the dust in a manner suggestive of a dog's funeral on one side or the other. Richard, who was actually staggered by the suddenness of it all, could not for a moment regain his senses; and when he did it was to find Miss Travers, both hands locked in the hair of Rollo's shaggy neck, pulling him from his foe with all her strength, and calling to "Mr. Allerdyce" to "take hold of his dog and pull him off."

She was being whirled around in a cloud of dust by the frantic waltzers before Richard could hardly settle on where to "take hold," but the task was performed for him by a gentleman in tweed knickerbockers, who started out of the "White Hart," a few yards away, and ran to the rescue. Between Miss Travers and himself the combatants were separated, each carrying away a few fragments of the other's person; and Miss Travers, flushed. panting, covered with dust, but looking ovelier than Richard had ever seen wo man look before, sank back against the Rectory wall and tried to laugh. The stranger lifted his hat, looking straight at her with a pair of piercing brown eyes. "Excuse me, Miss Travers," he said, in a rather off hand manner, "but that was

oossibly do. The dogs might both have urned on you and bitten you badly." "Thank you, Captain Hardwicke, I had not the least fear," was her only response given with a little haughtiness; and the gentleman, with a nod to Richard, turned

about as rash a thing as any one could

and strode away as rapidly as he had come "Miss Travers! are you hurt?" Richard was able to articulate at last. "You never should have done a thing like that; Hard. wicke was right; it was awfully rash! By the way, you know Hardwicke?"

"No, I am not hurt a bit." The won derful grey eyes were dancing with fun now. "Don't scold me please; I know it was a silly thing to do, but I didn't stop to think. Pray don't look so horrified. "But if you had been bitten!"

"Well, I wasn't." And her face dimpled with a friendly smile at his shocked look. "But you know Hardwicke?" he persisted, unable to get over his surprise in that quarter.

"Oh, yes," her face grew cold instantly Captain Hardwicke was in hospital with a accident some months ago-my hospital. I had charge of him there, that's all.' And she pulled a rose so sharply from the hedge, that it fell to pieces in her hand. "Look here!" she laughed, showering

the petals on the ground before her, 'let us cover over the battlefield with flowers,' and she laughed again.

Richard went home more thoughtful han ever. Surely this woman was a novel thing in his experience of men and manners. She acted with the skill and daring of a man; and yet he would rather not think what his sisters' faces would be like had they but seen it! Was it actually ladylike? or should she not rather have fied a grassy bank a yard or two away; and from the scene of conflict, or screamed the express rushed past with a wild yell and fainted? To be sure, she looked as on the line just below, and vanished was it quite correct conduct for a girl? curve above it. And Captain Hardwicke's manner, so abtal nurse. It must have been an awkward beautiful.

Nearly three weeks had passed since the dog episode, and Richard's courage still wavered in the balance. He had grown to know Miss Travers well in those three veeks, and to know her well was to love her better. There never was a woman so beautiful-he was certain of that-no woman he more ardently longed to have for his own: and vet-and vet! That terri ble strength of character, that profession that lack of pedigree? Only last night, in ing any boundaries, rather had been so dangerously, fatally sweet (she was always especially kind to him) time when she mentioned casually, without a change of voice or countenance, that she an uncle who was a chemist in Rochester. "A chemist! Shades of my again as he thought of it, and fancied Hardwicke's look if he could have heard sof his time than was strictly need- ty about him, had been one of Richard's

> the fatal plunge, or was it too costly? A trim, graceful figure on the road before him, as at last he gained the summit drove all else to the four winds; and in a noment he had overtaken the object of his cogitations, and sprung to the ground

"Mr. Allerdyce!" she said, turning with her own bright look to shake hands; how like a ghost you stole upon me! Oh, I see, it was a tricycle, and what beauty! Do let me look at it." And Richard, nothing loth, began to display his new toy—a perfect thing in build and finish—the Allerdyces' possessions always were the most perfect of their kind.

He began to explain it to her, forgetting all about the chemist uncle, but she interrupted him.

"Yes, I know all about them, thanks see it is a regular bit of perfection.

should so like to try it. May I?" Once more Richard was dumb with surprise. A lady on a tricycle was as yet an unheard of thing in rustic Chellowdean, and it seemed an outrageous idea to him.

faltered. "My sisters never have done day, if you'd had the pluck to try, she was such a thing."

"Your sisters? oh, perhaps not," with little smile at the idea. "But I am quite used to tricycles. I ride one whenever I can get a chance."

Further blow for Richard; but there was no knowing how to refuse her, and so he stood aside. She took her place like one who was thoroughly used to tricycles, and he could but admit that she adorned her position.

"What a delicious hill to run down. she said with a happy little laugh, as she placed her dainty feet on the treadles. 'I really must try it."

"Pray, pray don't attempt it!" was Richard's horrified remonstrance, for the hill stretched down even more abruptly than on the side he had ascended, and near the bottom there was, a sudden sharp turn, with the railway line running just below—the nastiest bit of road for miles around. Perhaps even Agatha Travers would have hesitated to hazard it, had it not been for the consternation in Rich ard's face.

"Mr. Allerdyce, you are faint hearted, she said gaily as she started on her down ward course—a little more rapidly than she at first had intended, but Richard's new tricycle worked smoothly. His hear stood in his mouth, as the country folks say, as she began to glide rapidly off. She turned her head and flashed back a merry defiance. "My uncle, the chemist a Rochester, used to say"-Then the wicked sparkle faded suddenly, and she called quick and clear, "Can you not stop me, please? The break is stiff, I can't make it work: it's running away.

Poor Richard of the faint heart! it seem ed to die within him. The next second he had darted forward, but it was just one second too late. The check she had been able to put on the heavy machine with the treadles ceased to keep it back, and faster and faster it tore down the persions road

In all his life to come. Richard will never know any minute so long as that next, while the straight slight figure flying through space seemed to swim before his eyes, and his knees knocked together

On, on-faster, faster! she managed omehow to cling to the steering handle and keep the machine in the middle of the road; but the mad pace grew more desperate. She could never turn that fatal corner by the railway embankment; over t she must go. And it was just then that Richard and she both together saw the puff of snow-white smoke from the hill side, that told them the evening express was out of the tunnel, and thundering down that very bit of line.

It all flashed over Agatha in one rush would the fall kill her, or would it be the train? it must be one or the other; the next second or two would would settle that: and a swift prayer was on her lips, but what she never quite knew; for even as she breathed it, some one or some thing in brown tweed knickerbockers hurl ed itself over the roadside stile before her. s stout stick darted into the flying wheel and with one quick swerve the tricycle crashed into the ditch, and lay there, a confused mass of shining spokes and mutilated tires, while Agatha flew out from its midst like a ball, and slighted on beautiful as an avenging Amazon; but round a sharp curve that matched the

Then, and then alone, did Richard's handkerchief a deep gash in the hand of looked up at Richard's with the sort of awe that any human creature must wear who has just been face to face with death. but her great eyes had a wonderful shining light in them.

"The poor tricycle!" she said: "I am se sorry. Is it very badly hurt?" And, in the fever of his relief and gladness, Richard could find words for nothing but-

"Bother the tricycle!" He was ready enough to say something, however, presently, when he found himself obliged to stop and see its remains decently cared for, while Captain Hardwicke took charge of Miss Travers' return to the Rectory. She said she was none the worse for her fall, but perhaps she was a little shaken; but Captain Hardwicke ancestors protect me!" Richard recoiled kindly offered her his arm, and she took it. Richard hurried after them before long, his whole heart aglow. That awful minute this afternoon had taught him that ife without Agatha Travers would seem a poor and worthless thing, were she a factory girl. He hurried after them, therefore, and came in sight of the Rectory gate as two hands, one very neatly bandaged, unclasped over it, and a small dark head raised itself swiftly from a brown tweed shoulder, where it seemed to have been resting.

"Good gracious!" was all Richard could utter, as Agatha vanished, and Captain Hardwicke, looking odiously radiant,

sauntered toward him. "Ah, Allerdyce, old fellow, caught it have you. Then I may as well tell you all my tremendous good luck at once, and take your congratulations. Perhaps you've heard how Miss Travers' nursing saved my life last year, and when course I fell in love with her, as who wouldn't? she would have it, it was only gratitude, and refused to let me make what she called a mesalliance, just because there's that brute of a title coming to me some day. I told her I thought all that rubbish was obsolete, and offered to drop the title altogether if she liked; but an be had. Very truly, nothing would do, and we parted out of temper. I heard she was down here, and ran down to see my uncle, hoping he would talk her over, but I began to think it was no use. And do you know, I was mark: "Omnibuses were not made for elefrantically jealous of you, old fellow! I phants." To this she replied: "Sir, it is evi

so set against me. But to-day has made it all right; she thinks I've saved her life this time, so we're quits. Well, old man, am I not the luckiest man alive?"

"But-but-" stammered the wretched Richard, "surely her family!" "She's an orphan. Oh, I see what you

you with an uncle who's a chemist, or a any woman. But if my little girl were a princess. God bless her!"

And Richard's groan may have been an ssent .- ( assell's Magazine.

The Teeth of Immigrants. The reporter of the Utica Observer has been investigating the teeth of the immi-

"The immigrant train on the Central this morning was half an hour late and consisted of one solitary car in which were forty-seven passengers. 'Come with me and take a walk through the immigrant car; I would like to show you the difference between foreign and domestic teeth.' The speaker, addressing the Ob server's reporter, was an old and well known dental surgeon of this city. 'I have come down here for the express pur pose of noting for myself the teeth of our newly-arrived cousins,' said the dentist as he led the way to the train, which was just pulling into the yard. In the car were Germans, English, Swedes, two Danes and four Polish Jews. 'Look at that fellow in the third seat there getting away with that bacon; see those beautiful grinders,' said the knight of the forceps as he intently watched a sturdy German who, with a huge jack-knife, was cutting alternate slices of schwartz-brod and bacon which he was putting under his vest with marvelous rapidity. His teeth were indeed magnificent specimens of sound grinders, milky white, evenly grown and regularly set. Passing two seats further on were a mother and two children. The woman was English, and when spoken to displayed very beautiful ivories. In answer to a question of the dentist as to whether she had eve had any trouble with her teeth she said, 'No. I don't what toothache is.' Behind her was a group of several persons chatting together, and while talking they all displayed perfect teeth. 'How do you account for these people having such handsome teeth? was asked of the dentist. After speaking of the difference be ween the thick and musty odor within the car and the pure ozone outside, he said: 'The whole difference is in the food that is eaten. These people at home were wont to eat the coarsest kind of food; they never touch sweetmeats or delicacies of any kind, and consequently the acids which are in all fancy tidbits do not touch their teeth. Therefore decayed teeth are something utterly unknown to them. I have not the least doubt that some of these people never saw a tooth brush. They don't think of their teeth at all, and yet they look as pearly and round as if a dentist examined them every day."

### Near-Sighted Children.

"Myopia, or near sight," says a Pittsburg physician," is caused by poor light, the improper direction of it, stooprupt and dictatorial; he seemed to show legs regain their power of motion; and he eyes too near the object and using them her the difference in social position be- set off as fast as they could carry too continuously upon print, writing, etc. tween a nobleman's nephew and a hospi- him to where the little black figure lay. I could pile up statistics to prove that ed-Somehow it took longer to run down that ucation is the cause of myopia, but every meeting, as his sisters had said. And then hill than the last descent would have led well-informed layman knows it. But it a cold shiver came over him as he thought one to think; for when Richard, panting is not education particularly; is the viof Miss Travers introduced as Mrs. Rich. and breathless, reached the scene of the clous way in which it is acquired, and it is ard Allerdyce at Belmont Castle, and accident, the little black figure, very much plain that all the causes I have enumerat-Captain Hardwicke's stony stare of sur- out of its usual trim neatness, was seated ed may be removed by an intelligent prise. And yet-and yet-she was so on the grassy tangle that broke her fall, school board and thoughtful teachers. busily binding up with her own small One of the most pernicious practices in some public schools, and one calculated the knickerbockered person who knelt at to develop more eye diseases than an army her side. It was a very pale face that of oculists can control, is that of requiring such a vast amount of writing of lessons by the little ones. Writing in poor light is worse than reading, because the paper must lie upon the desk, which does not slope enough, thus causing stooping and bringing the eyes too near it. reflected in such a way that much of the illumination is lost. Every letter must be looked at as written, which is not the case in reading. The right side is turned to ward the desk, and the paper 18 placed bliquely, which causes tipping of the head to the left and a difference in the dis tance of the two eyes from the point of the pen. As results, many children have a different focus in each eye; one eye is used for reading and the other turns outward; one shoulder becomes higher than the other, the spine gets twisted and curved, the chest is developed on one side evils beside eye affections arise. Myopia is the most common disorder induced by day." close eye work, but very many other diseases are brought on by it, and any congenital defect, such as far sight and irreg ular curvature of the cornea and lens, is made apparent and requires correction beabused, in our public schools. You know now why so many children wear glasse and why so many general practitioners are putting out signs as oculists, but I must tell you that I rarely order glasses for little folks, because in many case these tend to develop the very diseas they are expected to cure. It is a thou and times better to relieve the eye strain by rest and a little medicine than to mount a pair of spectacles."

### Wants the Facts Known.

Mr. Editor:-I and my neighbors have be led so many times into buying different thing for the liver, kidney and blood that have don us more harm than good, I feel it due your good medicine like Dr. Harter's Iron Tonic

AN OLD SUBSCRIBER

A very fat lady, on getting into an omnihus saw she liked you, and I almost believe dent that omnibuses are like Noah's Ark-in-"I really don't think you could," he you could have cut me out, early in the tended to carry all sorts of beasts."

### DOCTORED TO DEATH.

John Borie sighed. No need had one to ask why. A glance at the untidy room revealed the cause. He looked like a man of pluck, John did, and he was. His shop had grown into goodly dimensions, for he did most of the plumbing for a mean; she told me she had been shocking large and rapidly growing village, so that he had taken the whole of the little house butcher, or goodness knows what. Bah! in which he commenced life as a married should think the mere fact of being a man, for his business, and moved his hospital nurse was a patent of nobility to family into a little cottage, not quite a mile away. The people of Laketown beggar maiden she would still be a real talked of John as a rising man, but they shook their heads at sight or mention of Alice Borie, his wife. Alice had been a little beauty of eighteen, and that was ten years ago. Now, she was only twentyeight, but looking more than ten years

"How do you feel this morning, dear?" grants, with the following interesting rehe asked, as the door opened from an adjoining room, and Alice came in, her hair uncombed, her soiled morning dress dragging behind her, her cheeks white and flabby, her eyes glittering unwholesomely. "I don't know. I wish I did," drawled Alice, in the plaintive voice of one ill used by circumstances. "Any pain?"

"Why, no, I haven't pain. I almost wish I had. There's such a dreadful sinking. Aunt Milly used to have such turns: a sort of goneness and faintness. You know she died of heart-disease.

"At the age of seventy. Yes, I remember." replied John, as he shook up the pillow in a large rocking-chair, and drew a carpet-cricket under her feet. "Shall I send Jenny in with some breakfast now?".

Alice nodded her head.

"No, I'll take the wine-bitters, if you'll pour them out; and please get the iron stuff that Dr. Ford left yesterday, and a spoon, and draw the little table up. such a languid feeling!" John did as he was desired.

"There! now you are comfortable," he "I'll tell Jenny to look in. You may need a cup of tes, and you had better eat something to keep up your strength. I dressed Benny and Minny the best I could, and they took breakfast with me; after which I sent them off to school. I tried to tidy the room against you came out, but hadn't time. Jenny will do that, though she is washing, and very cross. New for business. I'll come home to dinner as soon as I can. Do try to get a little color, dear. I can't bear to see you so sick," he added, as he stooped down and

kissed her. " Color? She?" sniffed Jenny, who was very distant cousin, and availed herself of the privileges of relationship, though she was "the girl." She had opened the door as John spoke, and now retreated with an angry red in her face. "I wish he could see her eat sometimes. If 'twasn't for him, poor soul, I wouldn't stay and do the work I do for the wages, not I." Then, as she heard the door shut, she retraced her steps, and entered the

"I wish you could clear up a little." said Alice, fretfully. "It makes my head sche to see so much dirt."
"Then I'm afraid it'll have to ache till

the washing is done, Miss Borie, retorted Jenny, her manner entirely wanting in respect. "I came in to see if you're going to take any breakfast. There's some slapjacks, and a cold sausage; and if you must have it. I s'pose I could toast you some bread."

"Don't! Don't!" ejaculated Alice, raisins in it. Dr. Ford said raisins would agree with me."

no mentioning it. The fire's all took up, times in ten years," said Miss Emery. but I'll fix you a bit of toast and a cup of solemnly. "It's nothing but nerves. I coffee. I guess that won't hurt you;" and took her in hand, and I cured her. I've stored to him, he was established without pausing to hear yea or nay, she got an elixir my poor father left. Costs in the banking business, and belounced out of the room. "Oh, that miserable girl! And my

nerves in such a state!" moaned Alice.

leaning back upon her pillow, and closing her eyes. "If I only could get well, and see to things!" Nevertheless, she made a comfortable

breakfast en toast and coffee, a dozen little cakes that John had brought home The light falls upon it obliquely, and is the night before, and a bunch of delicious white grapes. Then she solaced herself with some nerve bitters, two pills, and a novel, which bore on its flashy back and sides the marks of many thumbs. Rattle and dash! the sound of a horn, a that looked like a flame.

flourish on the wide sweep in front of the

house. What was it? Jenny came in, bare arms uplifted, and apron white with suds.

"The land protect us, Miss Borie! Company's come!" she said, aghast. 'There isn't a mite of cake in the house, nor bread, nuther. No, nor so much as a and is contracted on the other, and other The children drunk the last speck of all right. If it don't-" milk, and I scraped the flour-bag yester-

Ring went the bell, sounding through every corner of the house.

"That's a yank!" exclaimed Jenny, trying to tuck up her wisp of black hair. Well, come she must, bad as it looks. fore the eyes can be abused, as they are So here goes!" and she plunged into the entry, and made for the door.

As for Alice, the excitement, and the shame, and the wonder, all together, had | thing." brought sufficient color to her face to give the lie to all her pretension. Hair, dress. that was all. Nothing could be bettered dying already." -dirt, untidiness, sickness, all remained the same, as an awful shadow fell upon

"Your girl says you're sick. Well, I'm proper sorry. But you ain't looking so soul. Then he'll marry some strong, dretful down in the mouth, either. Per- healthy girl, who knows enough to keep haps you've heern John speak of me. I'm out of the doctor's hands, and have some Emery Jane Borie, his oldest sister; fact, comfort of his life. I've often thought I'm his only one now. You see I've been how he might enjoy his home, if he had traveling a long time, for once in sixty such a woman as that pretty, happy creayears, and I hain't set eyes on John for ture who called to see you yesterday. fifteen next Christmas; an' so I had to Such rosy cheeks and bright eyes! I come. Well, you don't tell me to take off noticed how John looked at her, and I my things, but I s'pose I'm we'come in don't wonder." my own brother's house."

"Certainly, of course. Jenny, take Miss Emily's things-" "Emery, child. Emery Jane. Been in the family for ginerations an' ginerations—that is the name has. Now, don't

it's all the same. I'm used to doin' for myself; and, in fact, it kinder comes sec- any more life than you. And you ought ond nature. Here, young woman, be

five years, and it's kep' wonderful." "You must be hungry," said Alice, whose face had grown pale again from excessive agitation. "Not a bit of it. I knowed you might

be onprepared, so I took a bite and a sup at the depot, and I don't want you to fuzzle yourself a bit about me. Bless me, can't I do something for you?" "You must excuse the looks of the

so sick!" "Now, don't say a word. Not a word. Won't take me a minute to put things a

ettle straight. You sit still and take

comfort. Why, what's the matter of you?

Seems to me you are a sort o' peekid."

"I haven't been well for years," moan-"Hip complaint, spasms, or anything

that sort?" queried Emery Jane, who, as if a charm worked at the tips of her fingers, straightened and brightened everything she touched; then, placing a pair of spectacles over her prim little nose, proceeded to work at a stocking which she had picked from some corner of her dress. "Rheumatics is dreadful prevalent in the parts I come from. Mebby you've had a fever, though. No matter what it is, I'll nuss you till you're well agin. Now, you jest sit comfortable, and let me talk to you. John's well, I hope. That boy never had a sick day in his life I alwus told him he'd get a sickly wife. Got two children, haven't you? Both to school, eh? Oh, you're takin' your medicine! What is it? Wine-bitters? Don't believe it comes up to my summer-cordial Why, I could make a fortune out of it ef I girl, whose beauty struck a responsive was so minded. John's father was a chord in the heart of the widower presi doctor, you know; one of the good, old down to home, and I do lots o' cures, I

Alice longed to scream-to fly-to do all sorts of impossible things, to get out of the way of this overflowing babble, but there was nothing to do but to bear it. Her nerves were on edge; and when John came home, astonished beyond measure at this raid on his household, she came near going into hysterics.

Aunt Emery Jane's visit was beneficial in one way. Alice could enjoy the luxury of solitude in her own room, and stolen bits of her borrowed novels, sure that all the household would go right. Emery Jane was a prodigious worker. John had never known what real comfort was, since he left his prim New England home to make his fortune in the west. The little ones were kept rosy and shining, for Emery Jane adored children, and had the secret of attraction for them, so that they no longer went about in soiled pinafores; but the neighbors ascribed it all to the odd, quaint little Miss Emery Jane.

the time, never making light of her ailments, she watched her chances, and determined to give the self-styled invalid the benefit of her wisdom

mornin'. How long hev you been living Finally, the girl, frightened at her father's on medicine as a straight along diet?" "I'm sure, Miss Emery, I'd do without

faintly. "I don't feel as if I could touch it if I could. But if you knew what awful ly did so, and attended the most brilliant elings I have! Sometimes I think going to die." "Yes. I've got a neighbor to home

"As for gruel—in this hurry—there's who's bin at the pint of death twenty-five ounce, but it never fails. "Oh! Emery, what is it? I'd give thousand dollars to be cured.

"Well, I'd cure you for nuthin'. wonderful stuff. Why, people have been riz right out o' their beds, that were given

"I must have it," said Alice. "I'll take t, and be glad to." "I've got some with me."

"Oh, let me see it," said Alice. Emery went up to her room and soon returned, holding a two-inch long bottle, half full of a pure amber-colored liquid,

"How much must I take?" queried Alice.

"Three drops is a dose. It's precious. was Emery Jane's reply. The medicine was measured out and

very eagerly taken. "There, now, you must lay down, and keep as still as possible for ten hours; and taste of yeast, and the butter's all out. if by that time a sweat breaks out, you're

> She shook her head. "And what if it don't?" questioned

"Well," said Emery Jane, with a sol. emn countenance, "that medicine is reckless boy without a particle of respect either kill or cure. There's no humbug for his stomach? Some sentimental about that." "What!" screamed Alice, in sudden

terror. "You said it would cure me." "And so it will-if it don't do the other

"Oh, you've poisioned me!" moaned Alice. "I'm sure I shall die. Oh! John, surroundings, were all snatched at, and John! Run for John! I feel as if I were

"Well, my dear, then you'll be nicely out of your trouble," said Emery Jane soothingly; "which I'm sure life must be burden to you, and to John, too, poor

'Miss Emery, you're a wicked woman cried Alice, with new energy.

"Well, my dear, I sin't a sick one, thank goodness," said her sister-in-law, with imperturable good nature.

"And you're in league with John to do

let me put you out a bit. If you're sick. away with me," sobbed the angry wife. to be thankful that somebody has took careful of that bonnet. I've on'y had it you in hand," responded the little old

"I'll not die! You shan't kill me!" And Alice flounced out of the bed like a mad creature. "I never felt stronger in my life, and I'm going to dress me, and go right down to John's store, and tell him how you've talked to me. He marry that turnip-faced Morrill girl! She lord it over my children-or anybody else We'll see!" And she actually did get on room," said Alice, almost crying; "but her hat and shawl, and go out of the Jenny is so busy washing days, and I'm house, with hurried step and heightened color.

"I thought it would cure her," said Miss Emery, with an odd little laugh. We pass over the immediate consequences, which were partly ludicrous; for

John and Miss Emery had been in league together some time, and hasten to say that never was cure more complete. Alice regained her beauty, almost her youth; but she always retained two dis tinct and separate grudges; one against Emery Jane, the other toward poor, un-

so suddenly. John was the gainer, however. His home became to him what home should always be-earth's Paradise.

conscious Mary Morrill, who never could

tell why her old friend had dropped her

#### Barrios' Wife.

The character of the late Dictator Bar. rios is illustrated by the manner in which he obtained his wife. A Guatemala correspondent tells the following story:

Being on a journey into the interior, he

was entertained by a merchant of some

note, who had a daughter, a rosebud of

dent. Before leaving the place he informfashioned sort. I've got all his books, and ed his host that he desired to make the all his receipts. They call me the doctor, girl his wife, but as she was not quite old enough to be married, he wished her sent to school and educated in English and French conversation, in music, embroidery, and painting. In about two years he thought she would be of sufficient age and accomplishments to preside in the presidential palace, when he would for mally ask the honor of her hand in mar. riage. This proposition rather staggered the country merchant, and he was only able to reply, "Si, senor, the girl is yours;" but in his mind he determined that no daughter of his should ever be the wife of Rufino Barrios. The president, however, kept an eye on the family and twice sent an official to remind them about the school arrangement before the father carried it out. He also advertised extensively that he had selected the maiden as his future wife and would marry her as soon as her education was completed. The two years passed and Barrios claimed his bride. The girl refused to marry him and the father sustained her in the refusal, expressing his views of his would be Emery was keen in her way. She soon son-in-law in no guarded terms. To speak fathomed the trouble in her brother's evil of the king is treason here, as it used household. Saying little to his wife for to be in England in the time of Henry VIII, and the country merchant was promptly arrested. His property was condiscated for the use of the Government and he was sent to work in the streets with a "Doctors will be the death of you. Miss ball and chain on his leg. It sounds like Borie," she said one day. "That's the a fifteenth century romance, but every seventh time you've taken medicine this one in Guatemala knows the story is true. distress, gave in and begged the old gen tleman to yield his consent. He reluctant. wedding feast that was ever known in Central America. The bride received a diamond necklace and coronet, half a million dollars in money, and the finest residence in Guatemala. The father was released from arrest, his property was rea proper sight o' money to put up an came the fiscal agent of the Government, which is worth a fortune to him every year. Barrios very generously forgave the old man, and the two were great chums. Mrs. Barrios is the loveliest woman in Guatemala, beautiful in character as well as in person, socially brilliant and graceful, charitable beyond all precedent in a country where the poor are usually permitted to take care of themselves, generous and hospitable, a good mother to a fine family of children, and a

### An Inconsistent Teacher.

of all his schemes.

"Bring me, let me see, bring me a cranberry pie, a glass of milk, and a boiled

devoted wife, loval to all the president's

ambitions, and an enthusiastic supporter

"Any thing more?" "Oh, yes; let me have some cocoanut

cakes. Nothing more." I heard this dialogue the other day in a very well-known cafe at the lunching hour. When I turned my head to see who had ordered this very remarkable luncheon, who do you suppose I saw? Some giddy girl with an unfailing appetite for sweets in unwholesome quantities? Som young creature who believed in sweets to the sweet? Or do you suppose that it was

a lunatic just escaped from Longview? It was the principal of an intermediate school up town. Think of it! And that man lectures his pupils, or should lecture them, on what to do to keep well, what is wholesome and unwholesome, and how to make their lives sweet and beautiful by avoiding dyspepsia. - Cincinnati Times-

# A short while since, early one morning-

Mr. A. O. Colley's mare was turned out of the stable to get her exercise in the lot. The morning was fine and frosty, and the mare was frisky and frolicksome. She went scampering over the lot, enjoying her freedom, when in passing the mile cow she is playfully raised her heels and gave a kick to knock the stupidity out of the cow, and make her join in the fun-It proved a centre shot, for the cow was struck in the head, and fell over as dead as if she had been shot by a rifle. It is thought there was no malice aforethought on the part of the mare. - Geor-

"I'd do away with myself, if I hadn't

In the usual gossiping way, Until every one was as black as your hat, and the only white ones were they. One old maid, And another old maid, For the third had gone into the street Who talked in a way of that third old me Which would never do to repeat. And now but one Dame sat alone, For the others were both away,

"I've never yet met," she said with a gro gach scandalous talkers as they." "Alas! and alack! They're all of a pack! For no matter how we talk, Or what folks say to our face, or back

Is sure to breed gossip and talk." -Harper's Young People

### Putting on a Bonnet

April 28, 188

THE SONG OF THE GOSSIP.

and they were gossiping, I'm afraid,

and another old maid,

As they sat sipping their tea.

They talked of this,

and another old maid-that's three-

Did you ever see a woman putting her bonnet? No? Well, then, you ha missed the enjoyment of a most intere ing performance. A man, you kno when he dons his headpiece, merely cla the cover over his brows with as little co sideration as one would drop extinguisher over a candle. He simp puts his hat on, and that is all there is the operation. Light or darkness is Of course different men have differ

ways of putting on a hat. One man sei his castor by the front of the brim slaps it on to his head with a quick turn the wrist, in very much the same man one would turn a flap-jack; another ta hold of his hat, one hand to the fore the other aft, and pulls it down with his might, as through his plug hat w what it looks like, a clam's head, and were removing the dingy night cap fr that clam's head, preparatory to eatin eating the clam, mind you, and not night-cap; while a third lays hold of hat by the gunwales, starboard and p and carefully adjusts it in an exact with the horizon, or at some favo angle, as the case may be. But in eit of these three instances the operation done mechanically and requires no lo ing-glass or other adventitious There is no art in it. It is merely an a matter of dull routine.

With a woman how different! W she puts on her bonnet a poem is crea a picture is called into being, musibrought back to earth, and the atmosp that fondles her rosy cheeks and pre her still rosier lips is saturated with s

She brings forth a bandbox, her pla arms all too brief to encompass its al manic waist, sets it upon chair or table moves the lid, and with the sweet s which anything beautiful will ever ca the features of Eve's daughters, res down into the cavernous interior or mighty box and draws forth, very ter ly, a little, insignificant, heterogen affair that courtesy calls a bonnet. the male eye it has neither beauty comeliness in its present connection

Now she advances toward the mi holding the delicate trifle before her, the manner that the careful house carries a pan full of hot fat to the brim. Arrived at her looking-glass, releases one ear of the bonnet, and the disengaged hand deftly brushes front hair with her nimble fingers; her hand resumes its hold of the box and the fellow hand in its turn pay attention to the clustering locks up side of the house. Now both hands the bonnet in their gentle grasp. fair creature looks into the mirror remarks apologetically that her hair fixed. She feels that it is her duty t hibit that bonnet in the most favo manner. She has no excuses to make its shortcomings; it has none. It is self alone, and always her hair, whi responsible for anything short of ab perfection when the nuptial knot sh tied under her chin and the bonne

herself shall be one glory.

Now she raises the airy nothing

her chin protudes; her hand oscillate

cranes her neck and hunches her sh ers while she adjusts the bonnet a her pug, and then settles it down car oh, so carefully!-upon its h couch. It is now exactly where it s be. There is no guesswork abou Square, level and plumb could not be precise in results. Up goes her ro chin, the strings are tied, and, w the least wrinkling of the ribbonever could she do it!-the ends are br out with a delicate sleight-of-han bows are picked out flat and square too flat nor too square—and a slender pin is thrust remorselessly th her mouulla oblongata, its cruel naked and unguarded, protruding the thither side, a warning to all it may concern that no trespasse allowed upon these premises.

And now that the bonnet is upo head, and her head is within that b who shall say that all this time and tion and care have been wasted? No beautiful, eye-enchanting, soul-ins results justify any and all means sary to bring them about .- Boston

The Dare-devils of the Arm A writer in the Chicago Inter-Oc dulges in war stories as follows. That's a picturesque figure,"

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people turned to look at him. When I first knew him," said dianian, "his hair and beard v black as his eyes are now, and bo and beard were much longer. He luartermaster of our brigade, a beau ideal of a dare-devil soldier. 1885.

bed the angry wife. rith myself, if I hadn't you. And you ought at somebody has took ponded the little old

You shan't kill me!" d out of the bed like a never felt stronger in going to dress me, and John's store, and tell ked to me. He marry forrill girl! She lord en-or anybody else! she actually did get on , and go out of the d step and heightened

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not. ercise in the lotd frosty, and the licksome. She

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Putting on a Bonnet

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Of course different men have different ways of putting on a hat. One man seizes his castor by the front of the brim and slaps it on to his head with a quick turn of the wrist, in very much the same manner one would turn a flap-jack; another takes hold of his hat, one hand to the fore and the other aft, and pulls it down with all his might, as through his plug hat were what it looks like, a clam's head, and he were removing the dingy night cap from that clam's head, preparatory to eatingeating the clam, mind you, and not the night-cap; while a third lays hold of his hat by the gunwales, starboard and port, and carefully adjusts it in an exact line with the horizon, or at some favorite angle, as the case may be. But in either of these three instances the operation is done mechanically and requires no looking-glass or other adventitious aid. There is no art in it. It is merely an act, a matter of dull routine.

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Now she advances toward the mirror holding the delicate trifle before her, after the manner that the careful housewife carries a pan full of hot fat to the very brim. Arrived at her looking glass, she releases one ear of the bonnet, and with the disengaged hand deftly brushes her front hair with her nimble fingers; then and the fellow hand in its turn pays its attention to the clustering locks upon its side of the house. Now both hands have the bonnet in their gentle grasp. The fair creature looks into the mirror and fixed. She feels that it is her duty to exhibit that bonnet in the most favorable manner. She has no excuses to make for its shortcomings; it has none. It is herself alone, and always her hair, which is responsible for anything short of absolute perfection when the nuptial knot shall be herself shall be one glory.

her chin protudes; her hand oscillates; she cranes her neck and hunches her should ers while she adjusts the bonnet astride her pug, and then settles it down carefully oh, so carefully!-upon its hirsute Square, level and plumb could not be more precise in results. Up goes her rounded ever could she do it!—the ends are brushed out with a delicate sleight-of-hand, the bows are picked out flat and square—not too flat nor too square—and a long, alender pin is thrust remorselessly through her menulla oblongata, its cruel point, naked and unguarded, protruding from the thither side, a warning to all whom it may concern that no trespassers are

allowed upon these premises. And now that the bonnet is upon her head, and her head is within that bonnet, who shall say that all this time and attention and care have been wasted? No; such beautiful, eye-enchanting, soul-inspiring results justify any and all means necessary to bring them about .- Boston Tran-

The Dare-devils of the Army. A writer in the Chicago Inter-Ocean in-

lges in war stories as follows. 'That's a picturesque figure," said an

Indiana friend to me on Thursday. He directed my attention by an inclination of his head to a tall, erect, square-shouldered man, whose long, iron-grey hair, full, long gray beard, and alert, large black eyes gave him what may be generalized as a striking appearance. He walked with an affectation of soldierly precision that did not harmonize with his brigand loose. ness of making up. But a great many

people turned to look at him. When I first knew him," said the Indianian, "his hair and beard were as lieved that the Vermont Brigade could

occasion I remember the rebels stationed batteries on the left bank of the Kanawha, so as to command the narrow road on the right bank connecting the camps of the two brigades of the division. Communications were cut off until Captain F., the quartermaster, volunteered to carry s message from the lower to the upper

"Mounted on a superb black horse, and dressed as much like a brigand as the regulations would allow, he started along the river road. On his left was a precipi tous cliff, leaving not more than twenty feet of ground between cliff and river. Across the not very wide river were the rebel batteries, and as he rode along they blazed away at him. He put spurs to his horse and dashed along the narrow road with cannon balls striking in front of him, behind him, and above him. It did not seem possible for him to escape, but he swept along the road, waving his hat above his head, with rebels and Unionists cheering him like mad. He rode back without a shot being fired at him.

"On another occasion earlier in the war, when there was great squeamishness about confiscating hogs and chickens, the captain took possession of about twenty fat young hogs, and ordered them killed for the regiment. While the butchering was in progress an irate woman came into the camp spouting treason and abusing sideration as one would drop an the Yankees. The boys expected the quartermaster to dodge, but he came forputs his hat on, and that is all there is to ward to explain that the killing of the the operation. Light or darkness is all hogs was extremely painful to him, but it was a military necessity. War, he regretted to say, was not a picnic, and he had ordered the hogs killed in accordance with military regulations approved by Jefferson Davis himself when he was sec

retary of war. "But the captain would like to have the lady understand that he and the government he served scorned to take advantage of a woman. He would pay her, would pay her own price for the hogs; or, in other words, would give her an order that would be as good as old wheat in the mill. The price was fixed and the captain proceeded to write the certificate of indebtedness. He asked the woman if she would have the order on Lincoln or Jeff. Davis. She preferred Davis, and the captain wrote the order with a flourish, directing in a bold, round hand Jefferson Davis to pay the bearer \$50 for hogs killed under the personal supervision of the signer.

Elkins and the Farmer. I heard a little story of good Mr. Stephen

B. Elkins the other day that ought to furn ish a moral were Mr. Elkins in the habit of devoting his talent to missionary work. Some years ago Mr. Elkins was younger and less famous than he is now, but he was ambitious. As the story goes, there was an influential old farmer whom Stephen was anxious to conciliate. The old fellow had odd notions, and among them was one that no man was worth anything morally, mentally, or physically who was unable to do a full day's labor in the hay field. Steve went down to visit his ancient friend in blissful ignorance of his host's scale of judging ability. He had not been long at the farm when he discovered the old gentleman's theory, pract. ically applied. Stephen was young and confident, and he boldly sallied out with the hay-makers on one of the hottest days that ever sizzled over lowlands. It was something out of his usual line, but Mr. Elkins toiled away manfully. The sun grew hotter and hotter and the mixture of water and molasses which served for re freshments began to lose its cooling effect. her hand resumes its hold of the bonnet, Off came the amateur's garments one by one, but this did little good. As his clothng grew lighter his temperature steadily grew higher and higher. Mr. Elkins perspired as he never perspired before. He endured it until he could stand no more, remarks apologetically that her hair isn't and in a moment of weakness acknowledged himself beaten by the weather. Ambition or no ambition, he wanted to get cool. The farmer heard his confession and suggested an ammonia sponge bath; that was cooling if anything in the world was. His visitor eagerly adopted the suggestion, and dragging his parboiled length tied under her chin and the bonnet and to the house and securing ammonia in abundance, he proceeded in the solitude Now she raises the airy nothing aloft; of his room to take his bath. It worked beautifully at first, and he was charmed, so charmed, in fact, that he kept it up until he began to experience very strange sensations, sensations that kept growing more and more peculiar until he was encouch. It is now exactly where it should during a well-developed case of palpitabe. There is no guesswork about it. tion of the heart. He was a sad and frightened man, but good nursing and prompt medical treatment saved him to ornament chin, the strings are tied, and, without the political world. The old farmer had the least wrinkling of the ribbon-how failed to tell him that a very little ammonia with a good deal of water was the proper thing. Mr. Elkins had ignored

The Green Mountain Boys.

Major Poore, in the American Cultivator, says:

water.

The Vermont Brigade was the pet organization of the Army of the Potomac. and Miles O'Reilly described them as honest farmers turned vagabonds-simple countrymen changed into heroes. They stole ancient horses and bony cows on the march. They pillaged moderately in other things. They swept the dairies and they stripped the orchards for miles where they travelled. They chased rabbits when they went into camp after long marches, and they yelled like wild Indians when neighboring camps were silent through fatigue. They were ill-disciplined and familiar with their officers. They swaggered in a cool, impudent way, and looked down with patronizing Yankee coolness upon all regiments that were better drilled, and upon that part of the army generally that did not belong to the Vermont Brigade. They were strangely proud, not of themselves individually, but of the brigade collectively; for they knew perfectly well they were the best fighters in the known world. They were long of limb, and could outmarch the army. They were individually self-reliant and skillful

in the use of arms, and they honestly be-

at Lee's Mills. They crossed a narrow dam under a fire, made the attack they were instructed to make, and came back wading deep in the water, with a steadiness that surprised the army. They were an incorrigible, irregular, noisy set of their four years of service; yet they were, at all times, a pet brigade. There were but two things they would do-march and fight; and these they did in a manner peculiarly their own. They had a long, slow, swinging stride on the march, which distanced everything that followed them. They had a quiet, attentive, earnest, individual way of fighting that made them terrific in battle. Each man knew that his neighbor in the ranks was not going to run away, and he knew, also, that he himself intended to remain where he was. Accordingly, none of the attention of the line was directed from the important duties of loading and firing rapidly, and carefully. When moving into action and while hotly engaged, they made queer, quaint jokes, and enjoyed them greatly. They crowed like cocks, they ba-a-ed like sheep, they neighed like horses, they bellowed like bulls, they barked like dogs, and they counterfeited with excellent effect the indescribable music of the mule. When, perchance, they held a picket line in the forest, it seemed as if Noah's ark

had gone to pieces there. When the Vermonters led the column on a march, their quick movements had to be regulated from Corps of Division Headquarters, to avoid gaps in the column as it followed them. If a rapid or forced march was required, it was a common thing for Sedgwick to say, with a quiet smile: "Put the Vermonters at the head of the column to-day and keep everything well closed up."

Dead Man's Claim.

There has been more romance connected with early Leadville than any other place on the frontier. One of the most morgue-like stories that was ever publish ed was revamped from a minimum of truth into a maximum of romance. It was related of a claim called the Dead Man's Claim, discovered near Leadville. A man came from the eastern part of New York hoping to establish himself as physician. He was talented, educated, out very delicate, entirely unfitted to stand the hardships of a frontier life, especially a winter life, when, penniless and nungry, he found himself stranded and with no other shelter but that afforded by had a few friends among the many happygo-lucky fellows he met, and they helped him as best they could. Suddenly he was taken sick with pneumonia and died. The poor fellows who stood by him in his sickhave a decent burial, so they clubbed tofor a coffin.

It was in the dead of winter, the snow was taken out and buried in the snow, up Parish and find out how he was pro. gressing. So one morning they adjourn. ed to the spot, and there was Parish dig-Parish for some time after earned the sobriquet of the "death dealers' jumper."

A Cunning Dog.

Dogs may be trained by rogues or honest men, and in either case they obey their a deg taught to be very cunning by Mail and Express. brigands:

mand of the Neapolitan government, was marching at night toward a little wood, which was supposed to be the lurking place of a horde of banditti. Just at daybreak. when the soldiers had almost reached the wood, they saw a little dog, who had been lying down and keeping watch, rise and begin to bark at the top of his voice. The soldiers followed him, thinking that he would give the alarm, and, indeed, when they had reached the middle of the wood, they found that the brigands had fled. The officer in command, in his these cures have been quite genuine, for a anger, shot the dog, who had just made him lose his prey. The animal howled fearfully, and fell, to all appearances, dead. The soldiers went on their way, but in few minutes they saw the very dog who had just been "killed," stealing behind the tree, tacking like a ship, and intently watching the direction which they had taken. They [ran after him, and saw that he was not in the least hurt. His instinct had taught him to feign death, that he might be able to keep at his senti-

Cheer. A Clever Confidence Couple.

been so faithful a watchman.-Good

and golden hair, but shabbily dressed, greatly interested a large crowd of gentlethe other day by singing very sweetly and "Then we are even," said Biron, "for I have tenderly the well-known hymn, "Jesus, a brother who is a fool." men on one of the East River ferry boats

of the cabin. She looked despairing and

burst into tears. There were cries of "Throw him overboard," "Let her alone," 'Shame! The large man, who looked like a railroad president, insisted; said that the deck hand was doing his duty, rascals. They were much sworn at during and that the ferry company had ordered all nuisances suppressed. He acknowl-

edged that he had complained of her.

The murmurs of discontent and anger

arose around him, at which he seemed

the girl, said: "What's the matter, sissy?" Then she told her pitiful story of a sick mother, a dead father, no work, hunger. distress, and her anxiety to get employment. "Oh, don't send me to prison," she cried, breaking completely down. The large man was abashed, and the crowd looked angry and iscornful again. He at into a hornet's nest. It took him a long time once apologized, and to show his regret for his blunder, immediately took out a out he was the most subdued shoat you ever \$5 bill which he dropped into his hat. Then he passed the hat, which was soon filled with money. After the passengers had left the boat, he joined the girl and they both went off together. He was a well-known clever confidence man, and the young woman was his wife, as clever

The "Heavy Weights." The correspondent of the Utica Observ-

r, speaking of the callers on Gen. Grant during his illness, says:

as he-New York Letter.

"Distinguished callers were numerous and the casual impact of consequential bodies served occasionally to interest the observers. Thus it was when William H. Vanderbilt, entering the vestibule, encountered John Jacob Astor coming out. That made an aggregate of something like a hundred and fifty millions of dollars on the doorstep, and I looked to see the stone crushed and pulverized under the weight, but the material was quite unimpressed by the feet of wealth, and the episode had no intrinsic qualities worth mentioning. 'Good afternoon, Mr. Astor, and how did you find General Grant, said Vanderbilt, offering his gether." hand, taking which, the other replied: 'Badly, Mr. Vanderbilt, very badly indeed.' How do the two million aires compare as to personal appear ance? Well, it proves nothing, one way or the other, but the truth is that the one who has had his riches longest is far nearer to what, in the fiction of novel and stage, we are taught that the embodiment of culture should be. The Astor looked the aristocrat and the Vanderbilt looked stray saloons and gambling places, for the parvenu. To some a verdict on such Leadville was already overrun with physifinsy evidence would be nonsensical, and cians, lawyers and men of brain. He I ought to apologize for even mention. ing it.

Elephants Ruled by Fear. George Artingstall, the noted elephant

trainer, now managing twenty elephants room were determined that he should in Barnum's circus, said to a reporter that you sir?" for twenty-three years he had done nothgether and raised a purse of \$50. An old | ing but train and manage elephants. "I miner, "dead broke," and a sort of handy rule them all through fear, and not affecman around the saloons, named Parish, tion. They are naturally very affecwas given \$30 to dig him a grave, and \$20 tionate animals at times, but are sure to take advantage of any concessions granted them on that score. If I see a five feet deep on the level, so the body keeper becoming kind to an elephant I discharge him and hire another. The first while Parish started at his work. The thing I teach a baby elephant is his name. two men who had collected the fund for his Then I compel him to come when his burial got interested in a long game of name is called. If he is tardy about learnpoker, and, after sitting nearly forty- ing I punish him severely. The course eight hours, concluded they would hunt of training is long and arduous, and de pends on the amount of intelligence the elephant possesses. The African elephants are more tractable than the India ging away for dear life. He had struck a elephants, and if anything have more paying mine, and, forgetting all about intelligence. Most of the trained elethe body, was unearthing treasures. The phants are from Africa. I have some ele- who was standing on the corner of Canal St. two friends claimed their share. Parish phants that are disposed to be fakirs, i. e., "I wish, my young friend," said he, taking would not yield. Eventually the affair to make a pretence of performing without out his watch, "to go to the St. Charles Howas compromised, and sold out to a actually coming up to the excellence tel." company. Later the poor doctor was required. I punish them severely, and buried and the matter became a ten days' perhaps two or three performances will go, but don't stay but half an hour." wonder and died out as far as Leadville pass before they get back to their old was concerned, when one morning Par- shyster tricks. I have succeeded in ish's attention was called to a long article breeding several young elephants in this in a newspaper of how he and a gang of country, something which was never murderers had in cold blood murdered a done before. A time may come when wealthy gentleman and "jumped" his the species will be propagated in America, claim. The matter was the occasion of a and the plains of the West be filled with general laugh around Leadville, and poor roving herds of elephants. But it will be a very long time, I think.

"In captivity they attain the age of 75 years, and roving wild in their native forests live over 100 years. At 25 years old an elephant is easily trained. The older they get the harder they are to teach training, and with equal readiness. and the more mischievous us the baby.

They know nothing of the right or wrong, come. An elephant trainer's life is one baby. "Well, y'u des wait till y'u dit bld 'nuff to and the more mischievous do they be-

Modern Miracles.

A troop of soldiers, under the com-People who suffer will fly to anything for remedy-even to patent pills, spiritualism, and pilgrimages. Referring to the methods resorted to for curing the crippled and sick, The Graphic (London) says to be more occupied in things that are present, a so-called holy spring are sold yearly, at Lourdes the retail business in water is twice as large, and the grotto is hung with the crutches of hundreds of people who are said to have come lame and to have gone away jumping. In some cases strong nervous excitement will unquestionably do wonders. Not long ago, a man who was suddenly seized with delirium in one of the London hospitals leaped up, and began slashing at the patients in the beds all around him with a knife. One patient, who had been lying helpless for days under a stroke of paralysis, as it was believed, got so frightened that he re. covered the use of his legs, and bounded down stairs with the most gratifying agility. A man endowed with strong will nel's post. His remarkable intelligence power may exercise ascendency over and cunning air won the love of the solveak-willed folk, and cause them very diers, who adopted him and trained him rapidly to shake off a nervous disorder to hunt the banditti for whom he had

Binon, the French author, having been taken up by the watchman of the night in the streets of Paris, was carried on the following A Clever Confidence Couple.

A beautiful girl, with llarge blue eyes haughtily interrogated him concerning his business or profession. "I am a poet, sir, said Biron. "Oh, oh, a poet, are you?" said the magistrate; "I have a brother who is a poet."

VARIETIES.

"THEM English are having a right smart o a time over there in Africa, isn't they!" remarked an old farmer from up in Michigan. "Yes, indeed."

"I've been a watchin' of 'em all winter, and

d'ye know what their campaign reminds me of? No? Well, sir, I used ter have a big Berkshire hoat that had the durndest appetite ever you heerd tell on. The little shoats had to git out of his way every time. I put him in a lot all somewhat disconcerted, and approaching by himself, and there was plenty of feed and wallow there for him, more'n than he could ever use, but dum me if he would stay there. Down went that fence, and away went that shoat into fields where he had no business to be. Wall, he kept that up all summer, but bimeby he broke into a little patch o' timber, an' got to foolin' round. What do you s'pos he stirred up? Wall, by gosh, he run right

> ONE WAY OF GETTING IT .- "What is the population of the world, papa?" asked six year old Edith, who was making up sums for herself on a new slate.

to get out o' them woods, but when he got

"You must not interrupt me now, Edith." said her father, who was writing at the same table. "Go to Miss Smith," referring to her

Her father was not so busy, however, ba that he heard and was amused by her saying if low tone soon after: "I know how I can find out myself. I"

ook in the back of the geography for the United States and for Europe, and then I can add Aunt Mary's baby and Aunt Jessie's baby, and that will give it to me exactly."

THE minister had preached a very long parched sermon on the creation of man, and one little girl in the congregation was utterly worn out. After the services she said to he mother: "Mamma, were we all made of dust?"

"Certainly, my child." "The preacher, too!"

"Of course. Why did you think he was not made like the rest of us?" "Oh, because he's so awful dry, mamma, don't see how they could make him stick to-

Too Much Curiosity.—The new servant girl came to her mistress crying and holding on to her finger. "What's the matter?" asked the lady of

the house. "I run one of the forks into my hand, a if it is this plated stuff I'll get lockjaw." "Don't be alarmed," said the mistress, " all my silver is genuine. I don't keep any plated

Next morning the servant girl was gone and so was the silver.

AN UNSATISFACTORY POLICY .- "Mr. Gladstone, I understand that your policy is no satisfactory." "Well, sir, what is that to you?"

"I called to see if I couldn't write up a new one for you. I---" "You? Write a policy for me? Who are "Me! I'm agent for the Nevergetleft In-

surance Company, sir, capital six-Thud. A SHARP boy at a commercial college ha

ddressed a letter to a firm as "Gents." "You must not do that," said the instruc

"Why not?" asked the boy. "Because 'Gents' is vulgar. Don't you

know that invitations to low balls are always addressed that way!" "Well, no; I never got one," replied the boy with such significance that the instructor blushed and hurrled on to the next desk.

THERE used to be an old gentleman who lived up in one of the parishes of Louisiana who was noted for his tremendous deportment and punctuality. Arriving in the city for the first time he accosted a young man about town

"Well," said the gilded youth, "you may

CASE OF KIDNAPPING .- "I saw a case of kidnapping this morning," remarked Bissell Avenue man to a Derrick reporter. "Particulars, please," said the scribe.
"The kid was about seven years old."

"Got it down," said the reporter, making a note in his book.

"And he lay taking a nap in a hammock." "Good-bye," said the old reporter, for he

saw a dog fight down the street. TROUBLE AHEAD.—Three year old to crying

baby: "Y'u fink y'u 'ave yots of twubble, don't y'u,

dit a dood 'pankin' once, an' 'en ye'll know what twubble is."

How small a portion of our life it is that we really enjoy! In youth we are looking forward to things that are to come; in old age we are looking backwards to things that are gone past; in manhood, although we appear indeed that at Fecamp 150,000 quart bottles from yet even that is too often absorbed in vague determinations to be vastly happy on some future day when we have time. - Colton.

> SCENE: School room. Instructress (pointing to one of a column of words on the black board: "Johnnie, spell this word. Johnnie (aged six) : "Which word?"

Instructress: "This one I am pointing at frauds." (Her finger had unconsciously dropped down to the word below, and)-Johnnie (bravely): "G-i-r-l-s-frauds."

Little Rho, of Mt. Clemens, having taken note of the family anxiety about having the water turned off at night to prevent freezing a the pipes during the severe winter just past stood by the window, watching the dismal dewnpour of an April day. Suddenly turning, she exclaimed: "Mamma, when do you suppose they're going to shut this off?" "Can't you walk anywhere except on

my feet?" demanded an exasperated passenger on the rear platform of a horse car of a good pooking lad who had just jumped on. "You see for yourself that it would be rather difficult, sir," returned the lad, politely. And then everybody laughed, and tried to get a view of the passenger's shoes.

An agricultural paper says: "Spring is the best time in the year to move bees," It may be; but if a bee settles on your neck, quartermaster of our brigade, and the beau ideal of a dare-devil soldier. On one almost from the first skirmish. This was deck hand and ordered him to put her out tooth.

Lover of my Soul." As she concluded one verse, a large, well-dressed man called a print to gold into a 25-cent will discover what that reason is soon after the bee alights. or any other portion of your anatomy in the

Chaff.

A generous father-Government pap. A girl may be a good violin player, and yet not be able to draw a beau.

"He a doctor?" said old Chawbones, speak"He a doctor?" said old Chawbones, speak-

ing of a young practitioner.

Many a young fop imagines that a girl takes an interest in his welfare, when in truth she is only eager for his farewell.

It is a pretty saying of an old writer: The men, like books, begin and end with blank leaves—infancy and senility.

The simplest and most familiar truth seems new and wonderful the instant we ourselves experience it for the first time. A tramp who was caught roaming through the country stealing eggs, said merely wished to get the lay of the land."

Nobody talks much who doesn't say unwise things he did not mean to say; as no person plays much without striking a false note some-times. A little girl noticing the glittering gold filled in her aunt's front teeth, exclaimed: "Aunt Mary, I wish I had copper-toed teeth like yours."

"Yes," said the Idaho man, "it's dreadful unfortunate that my gal got hugged by that ar b'ar. She's sort o' held me in contempt since."

Bootjack means "Shdiwelknecht" in Penn-sylvania German. When a German wants to silence a howling cat he keeps his bootjack and throws the name at it.

Edith (contemplating her face in the mirror)

—"Mamma, me fink Kate Jones is berry pretty." Edith (five minutes later)—"Mamma,
me fink me berry much like Katie Jones."

Harper's Bazar says: "The ears should be so placed as not to be higher than the eyebrow or lower than the tip of the nose. People who are dressing for a party should not forget this.

Mr. Chauncey Depew in Ireland met a boy wnlpping a donkey. One of the traveling party said: "Boy, step beating your brother." As quick as a flash came the reply: "I won't, father."

"If a man wants to own the earth, what does woman want?" inquired Mr. Grap of his better half after a family matinee a few days ago. "Well, my dear," responded the lady in a gentle tone, "to own the man, I suppose." Baize saw "removes" on his bill of fair the other day. "Ah," said he, "I don't want to have anything to do with that." "Why!" was the query of his vis-a-vis. "Because," was the reply, "one remove, according to Franklin, is as bad as two fires."

"What a cute little mustache John has," remarked one girl to another. "Slightly soattered, however." "Yes, it's a base ball mustache." "What's that—nine on a side!" "Of course not; that's old." "What is it then?" "Why, three out all out."

A petrified baby has been discovered in Texas. That must be a real good kind of a baby to have. As soon as the advantages connected with them become a little better known, we have no doubt that petrified babies will entirely supplant the other variety.

Civil Service Examiner (to colored applicant for the situation of letter carrier)—"State the distance from London, England, to Calcutta, India, via. Suez Canal." Colored Applicant— "Say, boss, ef yo'se gwine ter put me on dat route, you kin disremove my applicashun offen de book."

NEW ADVERTISEMENTS.

WHAT WILL convince you of the wonderful curative properties combined in Hood's Sarsaparilla, if the remarkab cures that have been effected by its use fail to impress upon your mind this repeatedly proven fact? Thousands are using it, and all declare that all it is a medi-cine possess will ing all and even more than we claim for it. My friend, if you are sick or in that condition that you cannot call yourself either

dition that you cannot call yourself either sick or well, go and get a bottle of Hood's Sarsaparilla, and realize yourself how this medicine CONVINCE apot, and puts CONVINCE all the machinery of your body into working order.

From the Registrar of Deeds for Middlesex County, Northern District.
LOWELL, MASS.
MESSRS. C. I. HOOD & Co.: Gentlemen-

MESSRS, C. I. HOOD & Co.: Gentlemen—
It affords me much pleasure to recommend
HOOD'S SARSAFARILLA. My health has
been such that for some years past I have
been obliged to take a tonic of some kind in
the spring, and have never found anything
that hit my wants as your Sarsaparilla. It
tones up my system, purifies my blood,
sharpens my appetite, and seems to make
me over. Respectfully yours.

J. P. THOMPSON.

One of our prominent business men said to us the other day: "In the spring my wife got all run down and could not eat anything: passing your store I saw a pile of Hood's Sarsaparilla in the window, and I got a bottle. After she had been taking it a week she had a rousing appetite, and it did her everything. She took three bottles, and it was the best three dollars I ever invested."

Hood's Sarsaparilla. Sold by all druggists. Price \$1 a bottle, or aix bottles for \$5. C. I. HOOD & CO., Apothecaries, Lowell, Mass.

# A THRIFTY WOMAN

Buys nothing until sure that she needs it. But she promptly inquires into any article which promises to save her strength and health.

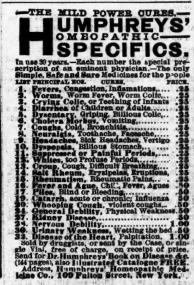
Zoa-Phora (Woman's Friend) CURES any and all of those painful and wasting diseases which destroy the happiness, usefulness and beauty of so many girls and women

For proof, positive proof, of this, address Zoa-Phora Co., Kalamazoo, Mich.

Madam! If you or your daughter suffer from any of these com-plaints, by neglecting to learn about this remedy you make a

Sold by all Druggists.

P. S.—Dr. Pengelly's book on "Diseases of Women and Children," sent gratis to auy ady. Postage, in sealed envelope, 10 cents.



Lord Bacon says-"Reading makes a full

NEW ADVERTISEMENTS.

FOR CLEANSING THE SKIN and Scalp of Birth Humors, for allaying itching, Burning and Information, for curing the first symptoms of Resemble of Bersh Humors, Scald Head, Scrofuls, and other inherited skin and bood diseases. Currena, the great skin Cure, and Curicuma Soar, and exquisite skin Beautifier, externally, and Gurcuma Resolvent, the new Blood Purifier, internally, are infallible. Absolutely pure. Sold everywhere. Frice, Curicuma Soar, Sc. Resemble of the Currena Scale of the Scale Scale

ENT. 31. POTTER DRUG & CHERICAL Ce., Boston.

PS Send for "How to Cure Skin Diseases."

Mortifage Salk.—Whereas, definition of a contain mortgage made and executed on the twenty-fourth day of May, in the year of our Lord such consumers of the two ships of the two ships of Dearborn, Comparing the Mayne and State of Michigan, party of the second part, and recorded in the effice of the Register of Deeds for Wayne County at the twenty-fifth day of May, A. D. 1869, is libered in the effice of the Register of Deeds for Wayne County at the twenty-fifth day of May, A. D. 1869, is libered in the effice of Mortgages, on page 494; by virtue of whice said default the power of sale in said mortgage contained has become operative, and whereast there is claimed to be due and payable, at the date of this notice, upon said mortgage and mote accompaning the same, for principal and interest the sum of two hundred and sixty-two dollars and twenty cents (\$203 90), and no suit or proceedings having been instituted at law to recovenite debt or any part thereof secured by saids a rigazinow therefore, notice is hereby given thaty//r tue of the power of sale contained in axil at rigazinow therefore, notice is hereby given thaty//r tue of the power of sale contained in axil at rigazinow therefore, notice is hereby given thaty/r tue of the power of sale contained in axil at rigazinow therefore, notice is hereby given thaty/r tue of the power of sale contained in axil at rigazinow therefore, notice is hereby given thaty/r edwill all all public auction to the highest Midder on Monday, the fourteenth day of May, A. B. 1885, at twelve o'clock noon of said day, at the easterly front door of the City Hall, in the Orty of Detroit, in said Wayne County, which is the place of holding the Circuit Court for said County, the premises described in asid mortgage, as randicist thereof to satisfy the said indebtedness, interest thereon and the costs and expenses of such sale allowed by law; said premises being described in said mortgage, or andicists the

HERBERT M. SNOW, Attorney for Mortgagee.

Attorney for Mortgages.

COMMISSIONER'S NOTICE.—In the matter of the estate of Edward P. Earl, deceased. We the undersigned, having been appointed by the Probate Court for the County of Wayne, State of Michigan, commissioners to receive, examinas and adjust all claims and demands of all persons against said deceased, do hereby give notice, that we will meet at the office of Samuel Post, 32 Lafayette Avenue, Detroit, in said County, on Saturday, the 25th day of July, A. D. 1885, and on Saturday the 25th day of September, A. D. 1885, at ten o'clock, A. M. of each of said days, for the purpose of examining and allowing said claims, and that six months from the 27th day of March, A. D. 1885, were allowed by said Court for creditors to present their claims to us for examination A. D. 1880, worst their control of the property of the propert

WELLS, RICHARDSON & CO'S NEW IMPROVED

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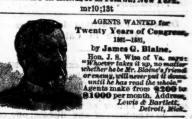
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See that our trade mark, a dandelion blee-om, is on the box, and the signature of Wells, itohardson & Co., is on the bottle and TAXI NO PTHER. If the dealer Y ELLOW us to know where and how to gee it without BUTTER extra expense. Sold by druggists, grocers and merchants, Four sizes, 180, 250, 500, \$1.00, WELLS, BICHARDSON & CO., Burlington, Vt.

OPIUM SLAVERY No sain, heroushes, or loss alson. A certain and relable cure, endorsed by the alson. A certain and relable cure, endorsed by the alson profession. It cannot be a considered by the saint profession. It cannot or interference with basiness and moderal extension of the saint of t becarely scaled. Letters invisible configuration.

becarely scaled. Letters invisible configuration.

be. HENRY H. KANE, 19 E. 14th St., New York.



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OUR ILLUSTRATED JOURNAL—A full end complete history of the Poland China here sent free on application. Stock of all ages and conditions for sale. Address J. & C. STRAWN. Newark Ohio

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WORK FOR ALL. \$5 to \$5 per day early made, Costlyoutili PARE. Address P. O. VIOKERT, Augusta, Maine. to cold seattain mirewit see biles red be chartes dropped her best best Monday

(Continued from first page.) building of the plant, except perhaps a conduits for water to keep the plant from drying up. The "virtues" of the manure will "rise by evaporation," and hover about the plant, filling its pores with vitalized air perhaps, or with distilled concentrated pabulum. This cellular tissue of the parts involved. rocess will go on except when the wind blows, and then his neighbor on the lee companies or follows epizootic diseases. side will get the "virtues" of his "evaporated" manure. The dispenser of dicated by way of treatment. If the the new doctrine will advise his wife to place the salts of ammonia around the tted geraniums, so that the leaves may get the "virtues" of the nitrogen, instead of using a few drops of aqua ammonia in the sprinkler when watering them. I had supposed that the food must enter the circulation of the plant, in soluble form, and that the plant assimilated or absorbed the essential food, and discharged the excess through the leaves. I have heard indeed about soaking an maconda with a sore mouth, in a bath of fresh milk, and I don't know but a man could be kept alive by soaking him in beef tea, but what becomes of the little moderate exercise if the animals mystery of digestion and circulation of are strong enough, will be beneficial. the food that goes in at the mouth and Hand rubbing will be beneficial, but no the roots. If this new theory is correct other local applications are necessary.

To the last quoted fallacy Mr. Van Buren-I write his name as a tribute of form. Manure on the surface is steeped by rainfall like tea, and this leaches down where the plant uses it." I would not be understood as maintain-

then we can "bait" our cows on the

side of the hay field opposite the wind,

sustain our muscular development upon the savory odors from the kitchen, raise

a crop of potatoes on the curbstone near

relieve the colic by holding the pepper-

mint to the children's noses.

ing that the air and the gases have no part in the system of growth which matures the plant; they have their office, but man has no control over them; an attempt to fertilize the air in order to stimulate the growth of the plant, or to engender a fructifying gas would be futile. Our plant food must be offered in the form and in the manner contemplated by the organic structure of the plant. The little rootlets-the spongioles-are the mouths that suck up the juices from the soil, and send them along through the whole circulation of the plant. If this food is washed out of surface manure, or the manure is finely mixed with the surface soil, the penetrating roots will more readi ly appropriate it than if turned to the ottom of a furrow in masses, and in measure beyond the requirements of the

The open questions which a farmers club will confront are numerous, but this evaporation theory is not one of them. A. C. G.

# eterinary Department

t by Prof. Robert Jennings, late of a. Pa., author of "The Horse andits." Cattle and their Diseases," "Sheep, Poultry," "Horse Training Made Professional advice through the cot-sjournal to regular enberthers free. ny. ec. Professional advice through the co-me of this journal to regular motoribers fres rise desiring information will be required to The third in ame and address to the office o Third. No question will be answered by it unless accompanied by a fee of one dollar order that correct information may be given consult your own interest by making care, we commuted your own interest by making care, we commute how trifting it may appear to be; examine the moetrie, lining membrane of the eye. Mid., note their appearance, the respiration, temperature of the body and legs, condition of the boncie, kidneys, &c., cough, discharge from the mace, eye or mouth; or any other symptom you may observe. In cases of lamenese, note the manner in which the animal kicks up the foot, carries mer in which the animal kicks up the fool, carries the leg forward, or betward, sweating sensitive to the louch or otherwise, soft or hard. These symptoms, when properly given, assis:s us to socate the disease, seat of lameness in obscurs cases, with some degree of certainty. The symptoms should be accurately described, how long standing, together with color and age of animal, that what treatment, if any, has been resorted to. Private address, 201 First Street, Detroit.

Difficult Parturition in a Sow-Goitre in Calves.

MARCELONA, April 17, 1886. Veterinary Editor of the Michigan Farmer.

Veterinary Editor of the Michigan Farmer.

DEAR SIE:—I have just lost a valuable sow from being unable to give birth to her pigs. I know of no reason for it; saw no symptoms of any disease; one or two of my heighbors have lost acws in the same way. Can you give me any reason for it? Are there any instruments made that are good in such cases, and whose make is the best? I have two calves that have tumors on the neck, similar to goitre in the human being. Most all the calves born in this part of the country are troubled with it. Some have it so bad they die. Can you throw any light on the above cases by the description given. Please answer through the columns of the Farmer and oblige. A SUBSCRIBER.

Answer .- Difficult or protracted parrition, is due to several causes, and your description of the symptoms does st aid us in determining the cause of rouble in your sow. It may be due to feeble efforts, or the expelling power of the uterus. A dead feetus is a common cause: constitutional weakness; disease: the feebleness of age; false presentation, When difficulty of this kind occurs it invariably calls for mechanical assiser; proper manipulation with the it is better in such cases to call in the aid of an experienced person, not necessarily veterinary surgeon. We know of no stetrical instruments made for use in the neck of your calves are evidently eitre. Apply tincture of iodine. In lambs it not unfrequently makes its aprance after a long cold winter, particularly when there has been much Come or Dropsy.

OLIVET, April 16, 1885 .. DEAR Sin:—I wish you would tell me DEAR SIR:—I wish you would tell me what is the matter with two of my mares, very dark brown or black in color, weight eleven hundred pounds. Both were in foal; they began to swell or stock in the hind legs, then up to the udder, which was apparently badly caked; then along under the belly and between the forward legs, which hung down like a sack of water. While the swellen part under the belly was hard, by pressing there with your finger, you could make a dent or pit that would stay for five minutes. One of the mares dropped her foal last Monday; spit of and \$18 to and \$18 to

the foal lived about six hours. The other one will foal soon. Both are in good order, eats well, but a little stiff in gatt. Please answer and oblige

Answer .- Your description of symp. tons indicate watery infiltration of the Edema, or dropsy, not unfrequently acbowels are in good order, give the following: Sulphate of iron, pulv., two ounces; Jamaica ginger root, pulv., one once; nitrate potash, pulv., one and a half ounces; anise seed, pulv., half an ounce: mix well together and divide into twelve powders. Give one three times a day. If the bowels are constipated, omit the iron and substitute one ounce socotrine aloes, pulv. When the bowels ssume a natural condition, omit the aloes and use the iron instead. Give the animals clean stalls well littered, and well ventilated. Give good clean oats and hay, but no corn or corn meal. A

Bursal Enlargement of Hock Joint

Veterinary Editor Michigan Farmer.

DEAR SIR—Have a colt three years old that has a puff on hind leg on the gambrel the openings of the Chicago sewers, and joint, pretty well in front; has been there ever since he was a foal; does not make him lame, and does not seem to get any respect—replied: "Evaporation does not thing for it, and is there a remedy? Will

Yours, etc., A. Subscriber.

Answer.-Let it alone, or apply cold water compresses. It is evidently hered-

Notice.-If our subscribers would consider the importance of a careful description of all observable symptoms in disease no matter how trifling they may appear, when asking veterinary advice, it would be more to their interest, by enabling us to perscribe for their animals intelligently, thus preventing the stereotyped reply, "We are unable to diagnose the disease from the symptoms given."

#### COMMERCIAL.

DETROIT WHOLESALE MARKET.

Flour.-Receipts for the past week, 5,707 bbls. gainst 2,135 the previous week, and 1,815 bbls. for corresponding week last year. Shipments, 5,180 grades a little higher than a week ago. The ad views. Quotations yesterday were as follows:

 Michigan white wheat, choice
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 pressed, and prices are lower than on Saturday. It was thought war was less certain, as English

No. 3 do. 91c. In futures No. 1 white for May sold delivery sold at \$1 01% and June at \$1 02%. Sales were made at 511/2c for spot No. 2, and 511/2c

Oats.-Dull. No. 2 white quoted at 40c. No. 2 mixed at 38c, and light mixed at 39c.

Barley.—In fair d. mand. Choice State samples would command \$1 40@1 50 per cental, and fair to \$1 60@1 85. Ryq.-No. 2 is quoted at 63@65c per bu., and is

firm. Very little moving. Feed.-Bran, \$15 25@15 75 per ton. Middlings are steady at \$16@17 for coarse, and \$18@19 for

ight and market very firm,

Corn-meal.—Quiet at \$18@19 for coarse and Walker sold Flieschman 14 stockers av 757 lbs

Hay.-Baled hay firm and in good demand at \$17 @18 for car-loads of timothy on track; warehouse lots \$19@20; straw commands \$8 50@9 00 on track. Beans.—Sellers are asking \$1 30@1 35 for fine picked stock. Unpicked are selling at 75c@\$1 05 per bu,

track are quoted at 35@40c per bu. In small lots quotations are 40@45c. Market weak. Dried Apples.-Market firm at 3@31/60

Onions.—Quotations are \$1 15@1 25 per bu., or \$3 25@3 75 per bbl. Market firm Hops .- Nothing doing, and prices entirel ominal. Held at 16@22c in store Peas.-Very quiet; Wisconsin blue peas are

Timothy Seed.—Selling at \$1,80@1 85 per bu At Chicago quotations are \$1 50@1 60 per bu. Pop Corn.—Quiet and unchanged at 3@8340 per lb. for old and 2023/c for this year's.

quotations are nominally steady at 12@13c for thickens and 14@16c for ducks and turkeys. Demand for last named fair. Spring chickens ar

Provisions.-Markets are a little lower than week ago and quiet. Nearly everything is a shade

\$20.50.
Thursday—23 loads: Seven at \$19; six at \$20; two at \$22, \$21 and \$18; one at \$19 50, \$17 50, \$16 and \$14 50.
Friday—11 loads: Six at \$20; three at \$21; one at \$18 50 and \$18. at \$18 ou and \$18.

Saturday—18 loads: Seven at \$20; two at \$19 and \$18; one at \$22 and \$19 50.

LIVE STOCK MARKETS.

stock markets east and west for Monday, April

BUFFALO. - Cattle, receipts 410 head; market prices; heavy shipping steers 10@15 cents lower lower. Hogs, receipts 7,000; market fairly active

2,500. Trading slow with prices about steady. Hogs, receipts 20,000; shipments 6,500; market ctive and five cents higher.

At the Michigan Central Yards. Saturday, April 25, 1885.

|    | Control of the contro | 240. | 440.        |       |
|----|--|------|-------------|-------|
|    | Albion   | 23   |             |       |
|    | Augusta  |      | 59          |       |
| ķ. | Battle Creek   | 15   | 150         |       |
|    | Brighton   |      | 128         |       |
|    | Caro   |      | In a second |       |
| ١  | Colon  | 24   |             |       |
| H  | Charlotte  | 26   | 40.44       | 100   |
|    | Chelsen  | 27   |             |       |
| ١  | Dexter   | 14   | 129         |       |
|    | D. G. & M. R.  | 281  | 712         |       |
| H  | Flint.   | 21   | 110         | -     |
| 1  |  | 86   | 1.4.4       |       |
| :  | Fenwick  | 18   | 17          | 35.   |
| ١  | Grand Ledge  |      |             | 110   |
| ı  | Grand Blanc  | 28   | 199         | 100   |
| 1  | Howell   |      | 452         | 15. 1 |
| 1  | Ionia  | 25   | 222         | car.  |
| 1  | Lapeer   | 88   | 108         |       |
| 1  | Leslie   |      | 110         |       |
| ı  | Milford  | 10   | 119         |       |
| 1  | Manchester   | 25   | 13          |       |
| 1  | Marshall   | 28   | 200         |       |
| ı  | Oxford   | 25   | 130         |       |
| ı  | Parma  | 23   |             | 1     |
| ı  | Portland   | 12   | 181         |       |
| 1  | Rochester  | 12   | 50          | 1 .   |
| 1  | Saline   | 21   | 207         | 9     |
| 1  | South Lyons  | 22   | 170         |       |
| 1  | Union City   | 22   | 24.51       | 1     |
| 1  | Webberville  | 6    |             |       |
| 1  | Ypsilanti  | 82   | 73          |       |
| 1  |  | 107  | 286         |       |
| 1  | Drove in   | 101  | 400         |       |
| I  | Total  | 960  | 3,390       | - 8   |
|    |  |      |             |       |

The offerings of cattle at these vards numbered 60 head, against 652, last week. The market ened up a little slow, as buyers wanted prices aded considerably below those of last week. lowever they did not succeed in making a very great reduction in prices, although in some cases it amounted to enough to put the drover's profit on the wrong side of the ledger. Shipping cattle suffered the most, the decline amounting to about 25 cents per hundred. Butchers' stock sold 10@15 cents lower, while stockers and feeders did not show any material change. About all teady at the following

CATTLE.

QUOTATIONS:

Swith sold Ackley 5 stockers av 908 lbs at \$3 90.
C Roe rold Sullivan 7 stockers 804 lbs at \$3 75,
and 3 coarse cows av 1,130 lbs at \$2 50.
Bently sold Wreford & Beck 16 good butchers'
steers av 1,034 lbs at \$4 30.
Seely sold Shields 14 extra feeders av 1,270 lbs
t \$4.70.

at \$4 75.
Nott sold Shields 3 extra feeders av 1,360 lbs at are steady at \$18@17 for coarse, and stockers are \$5.

Switzer sold Fairman 16 stockers av 793 lbs at

Honey.—Market steady at 12@18c per 1b., the latter price for fine white comb. Strained, 0@10c.

Beeswax.—Steady. Sales are being made at 25 6@30c.

Clover Seed.—Prime w.ak at \$5 55 per bu.;

No. 2 is nominal at \$5 40.

Cranberries.—Market quiet at 14 00@16 00 per bbl. or 3 75@4 00 per bu.

Dried Fruit.—Sun-dried apples, 3@3½c per ib.; evaporated 6@7c; pears 10c; peaches 12c. Inquiries light but supply good.

Dressed Hogs.—Quiet. Receipts are light.

Retallers are paying \$5 25@5 50 for heavy, and 50c more for light or medium weights.

Grain Bags.—American A, \$18 50; Stark A. \$22 50.

Hay.—Baled hay firm and in good demand at \$17.

Campbell sold Ackley 10 feeders av 1,080 ibs at \$4 25.

Stevenson sold Wreford & Beck 8 good butchers' stock av 16 ibs at \$3 70, and a bull weighing \$10 ibs at \$3 70, and a bull eighing 920 ibs at \$3 90, and a bull eighing 920 ibs at \$3 90, and a bull eighing 920 ibs at \$3 90, and a bull eighing 920 ibs at \$3 90, and a bull eighing 920 ibs at \$3 90, and a bull eighing 920 ibs at \$3 90, and a bull eighing 920 ibs at \$3 90, and a bull eighing 920 ibs at \$4 50, and 3 fair obtichers' steers av 1,026 ibs at \$3 70, and a bull eighing 920 ibs at \$3 90, and a

410.

C Roe sold Hulbert 6 fair butchers' steers av 1,090 lbs at \$4 25, and 4 stockers to Fairman av 862 lbs at \$4 10.

Sly sold John Robinson a mixed lot of 23 head of good butchers' stock av 853 lbs at \$3 90.

Glesson sold H Roe a mixed lot of 7 head of good butchers' stock av 930 lbs at \$3 90.

SHEEP. The offerings of sheep numbered 3,390, against 2,995 last week. There was a bad break in the sheep trade, and sellers had to accept from 25 to and even at the decline buyers were scarce. Th

future prospects for the sheep trade is not enconraging

Bresnahan sold Fitzpatrick 43 av 80 lbs at \$4.
Barbour sold George Wreford 100 av 81 lbs at \$4.
Devine sold George Wreford 127, part lambs, av 62 lbs at \$3 75.
Nichols sold Wreford & Beck 129 av 72 lbs at

14 25. Stottle sold Geo Wreford 128, part lambs, av 70 lbs at \$3 90.
Grange sold George Wreford 65 av 94 lbs at \$4 35.
Larne sold Wreford & Beck 188 av 80 lbs at \$4 35.
Andrews sold George Wreford 40 av 94 lbs at \$4 50.

Oul. er sold Wreford & Beck 150 av 84 lbs at \$4 80, and 21 av 75 lbs at \$3 50.

Webb sold Fitzpatrick av 73 lbs lbs at \$5 50.

Ramsey sold Wreford & Beck 48 av 76 lbs at

8 25. Rich sold Wreford & Beck 82 av 95 lbs at \$4 55. Capwell sold Firspatrick 16 av 96 lbs at \$4 50. Lon a on sold Wreford & Beck 40 av 74 lbs at 4 10 Henderson sold Wreford & Beck 78 av 35 lbs at \$4 35.

Mosher sold Morey 92 av 38 lbs at \$4 25.

Mosher sold George Wreford 105 av 84 lbs at \$4 30.

Beach sold John Robinson 135 av 70 lbs at \$3 90.

Switzer & Ackley sold Fitzpatrick 74, part lambs, av 30 lbs at \$4 25.

The offerings of hogs numbered 375, against 170 last week. Hogs were in good demand at a

C Roe sold Howard 28 av 217 lbs at \$4 50.

Giddings sold Bigley 40 av 221 lbs at \$4 50. Rienwalt sold Webb 11 av 350 lbs at \$4 23, Rehfuss sold Rauss 63 av 191 lbs at \$4 45. Rupert sold Webb 41 av 250 lbs at \$4 50. Switzer sold Bigley 15 av 150 lbs at \$4 50. Ramsey sold Webb 22 av 192 lbs at \$4 40. Capwell sold Webb 21 ov 174 lbs at \$4 40. Church sold Rauss 35 av 155 lbs at \$4 40.

King's Yards. Monday, April 27, 1885. CATTLE.

The market opened up at these yards with light supply of cattle, but fully more than the trade required. Trade was dull, and prices some

Brown sold H Roe 4 fair butchers' steers av 890 lbs at \$4.

Smith sold Kammon 3 fair butchers' steers av 890 sold is at \$4, and 6 to Sullivan av 960 lbs at \$4 i5.

Proper sold Sullivan 5 coarse cows av 916 lbs at \$3 25, and 2 stockers av 961 bs at \$3 50.

Smith sold Kammon 5 stockers av 698 lbs at

Smith sold Kammon 5 stockers av 698 108 at \$375.

Mosher sold Knoch 2 good butchers' steers av 1,100 lbs at \$4 80.

Pickering sold Knoch 2 good butchers' steers av 1,205 lbs at \$4 60.

Strithe sold Freeman a mixed lot of 9 head of coarse butchers' stock av 585 lbs at \$3 10.

Brown sold Kraft 4 good butchers' steers av 1,018 lbs at \$4 60.

Newton sold Genther 5 good butchers steers av 1,022 lbs at \$4 60.

Newton sold Genther 5 good dutchers seem 1,062 lbs at \$4 65.
Oberhoff sold Stucker a mixed lot of 5 head of coarse butchers' stock av 586 lbs at \$3 25.
Camp sold Fileschman 2 stockers av 710 lbs at \$3 30, and 2 to Sullivan av 975 lbs at \$3 75.
Adams sold Stickel 2 good butchers' steers av

83 30, and a to Adams sold Stickel 2 good Dutchers
1,030 lbs at \$4 60.
Pickering sold Sullivan 3 feeders av 980 lbs at Paupea sold Stucker a mixed lot of 9 head of good butchers' stock av 964 lbs at \$4 20.

Vanderhoof sold Sullivan 7 stockers av 755 lbs at \$9 75.

Adams sold Meyers 3 fair butchers' better ms sold Meyers 3 fair butchers' heifers a

CATTLE.—Receipts 38,989 against 34,966 the pre-

rious week. Shipments 13,366. The supply of narket opened up quiet, but soon became brisk out. Prices averaged 10@20 lower than on rough to extra lots of steers. Butchers' stock shipping grades, inferior to choice cows sold at \$2 40@425, and fleshy steers at \$4 15@4 85. The receipts fell off fully a half on Tuesday, and the decline of the previous day was regained. The market ruled weak on Wednesday, and on Thursday there was a bad break owing to heavy receifts and a limited demand. Prices averaged 15 over at the close. Friday's market was anothe bad one for sellers, prices again declining 10 cents. On Saturday light grades were firmer, but heavy cattle were weak, closing at the following

QUOTATIONS: 

sand bulls 3 25 05 60
Stockers 3 50 05 90
Stoc

QUOTATIONS:

| xtra Beeves-Graded steers weighing 1,450 lbs and upwards<br>hoice Beeves-Fine, fat, well-            | 25 | 70  | <b>Ø</b> 6 | 00 |  |
|--|----|-----|------------|----|--|
| formed steers, weighing 1,300 to 1,400 lbs   |    | 30  | @5         | 65 |  |
| ood Beeves—Well-fattened steers<br>weighing 1,200 to 1,350 lbs<br>edium Grades—Steers in fine fiesh. | 4  | 85  | @5         | 25 |  |
| weighing 1,050 to 1,250 lbs<br>ood Butchers' Beeves-Light, fat                                       |    | -11 | @4         | 65 |  |
| steers weighing 900 to 1,000 lbs   | 8  | 80  | @4         |    |  |
| eifer—Fair to choice   | 8  |     | @4         |    |  |
| ows and Heifers—Good to choice.  | 3  | 50  | @4         | 20 |  |
| ixed Butchers' Stock—Common<br>steers, stags, old cows, light heif-                                  |    |     |            |    |  |
| ers, etc   | 2  | 75  | @4         | 00 |  |

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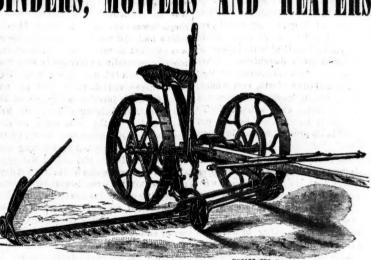
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VOLUME XVI.

CONTENTS. -Notes by the Way-The New

ep Shearings-Jo Gavin 564-Ex-Hores .- A Northville Stable-New Horses at Wayne-Foels Dropped at the Kalamazos

Stock Farm-Horse Gossip...
The Farm. -Wagons and Roads-Farm Help-The Poult y Yard -Cutting the Crops of Fowls-Tellow Duckwing Control to The Strawberry Grub—The Shaffer Raspberry—Remedies for Insects on House Plants—The Farmers Kitch en Garden—The Phylloxera in America—Horen Garden—The Phylloxera—Horen Garden Garden—The Phylloxera—Horen Garden Garden

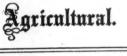
nnected a The Phylloxera in America—Hor-ticultural Notes...

Billiorial.—Wheat—Corn and Oats—Dairy Pro-ducts—Weol—British Grain Trade—Sheep and Wool Notes—Stock Notes

Wees Summary.—Michigan—General...

Portry .- Ventul, the Wind-Why Shouldn't It? 

Vicerinary. Lolling the Tongue-Possibly Leu-corrhes in a Mare-Probably Milk Fever in a COW.



NOTES BY THE WAY.

Livingston County Stock Farm-Th Shorthorn Herd of Mr. Wm. Ball Hamburg-Feeding Cattle and Sheep Breeding Stock-What His Experience

On Thursday of last week that terrib low train between Pontiac and Jackson

over a branch of the Grand Trunk, too

us to the village of Hamburg, Livingsto

Co., and within a short walk of Mr. Wr. Ball's farm. It was the second time v had ever visited this farm, and the fir time was three years ago. Since then in portant improvements have been made l Mr. Ball in both his farm and building His residence has been rebuilt, and is no a handsome farm house sufficiently lar to accommodate his many friends, su rounded by a fine lawn and handson shrubbery. His barns have also been ad ed to. In company with Mr. Ball we ha drive over the farm, and chance to admire the many fir views from various points. The fence and lanes showed that their owne was naturally neat and careful, an liked to have things tidy around him Plowing was going forward, and a heav oure was being turned und for the benefit of the spring crops. M Ball said he was never afraid of putting on too much manure, and a man was fo lowing the plow to rake it into the furro so as to get it all covered. Here is when one great benefit from stock raising come in, and one too often forgotten. This is farm of rather light soil in some portion whose fertility is not only maintained by increased from year to year by the larg amount of stock carried, and its well cu tivated fields and fine pastures are a staning and irrefutable argument in favor mixed husbandry. There is one point v noted that is worthy of attention of other stockmen in the State, and that is the clea condition of the yards surrounding th barns and stables. Of course the quali of the soil assists somewhat, but the tid ness of the yards showed that they had i telligent care. In this respect the farm is a model one, and it must be very benefici to the stock during the season when the are necessarily confined to them. the feeding yards Mr. Ball's method is feed his corn-stalks whole, and let th cattle pick them over at their leisur All the hay left in their mangers is take out and placed in the yards also, and l finds that a great deal that is left uneate in the manger is consumed in the yar

tried both ways upon both cattle at sheep, and he favored generous feedi in each case. After traveling over the farm, a vi was made to the sheep barns to look ov the large flock. Sheep have always be kept on this farm, and its rolling surfa seems to be peculiarly adapted to the The flock, some 285 in all, is now und the care of Mr. Ball's son Irwin, whom has associated with himself in his stobusiness. Irwin is a graduate of t Agricultural College, and we are pleas to see him start out in a business whe the opportunities he has had at that ins tution may be made available. He h had entire charge of the flock the pa season, and its condition is the best

commendation the young man could ha

during the day. While the corn-stall

are not eaten so clean as if cut up, he co

siders that the hard stalks left and work

ed over into the manure are not waste

while the cattle enjoy picking them over

and always have a dry bed to lie dow

on when so disposed. In reply to a que

tion, Mr. Ball said that feeding breeding

stock was a different matter from feeding

for beef. He wanted his cattle to ha

plenty of air and exercise, and believe

that close housing and heavy feeding

would never result in the breeding

healthy stock. He was not afraid to fe

well enough to keep his stock in go

shape, as his experience had been th

they did best when so kept. He h